

Sewer

Acct.#:

1008545900

Company: VA MEDICAL CENTER

Address: 915 N. Grand Boulevard

City: St. Louis

State and Zip: MO 63106

Industry ID

File Code

File Description

29331

31

INDUSTRY OVERFLOW

ACCOUNT NUMBER: 10085459-00

COMPANY NAME: VA MEDICAL CENTER

CORRESPONDENCE

FROM <u>08-04-11</u> THRU <u>12-29-17</u>

X CORRESPONDANCE LOCATED IN OVERFLOW INDUSTRY FILE

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name: VA - St. Louis Health Care S	······································
Permit No: 11140460-00 /008-545	
Premise Address: 915 N. Grand Blvd, St. L	ouis, MO 63106
Reporting Period: [JAN-MAR] (AF	R-JUNE) [JULY-SEPT) (OCT-DEC)
PART II: RECORD OF DISPOSAL OF RADIOACT	IVE MATERIALS TO THE SEWER SYSTEM
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
Any/All	0 (zero)
TOTAL ACTIVITY DISCHARGED:	0 (zero)
PART III: CERTIFICATION STATEMENTS	<u> </u>
Place your initials in the box under item	Δ
Everyone must complete the information und	der items A & B and sign this report.
A. CERTIFICATION OF COMPLIANCE WITH STA	TE AND FEDERAL REGULATIONS
and 19 CSR Part 20-10.090 governing disposal	belief, all requirements of 10 CFR Part 20.2003 by release into sanitary sewage for material on and the Missouri Department of Health, respec- by this report.
B. RADIOACTIVE MATERIALS DISCHARGE REPO	ORT CERTIFICATION
I certify under penalty of Law that this document direction or supervision in accordance with a system properly gather and evaluate the information submit persons who manage the system, or those persons directly the information submitted is, to the best of my known and a ware that there are significant penalties for possibility of fine and imprisonment for knowing versions.	em designed to assure that qualified personnel ted. Based on my inquiry of the person or rectly responsible for gathering the information, by
	L. Hall
Title: Radiation Safety Officer	Telephone: (314) 652-4100, ext. 54832
Signature: GARY L. HALL 967465 Digitally signed by SARY L. HALL 967465 OR. 2942: 1920300.100.1.1=gary.i	rpopole, Date: 29 2017
Dele: 2017.11.06 08:51:56 -06'00'	DIVISION OF FARTHUR COMPLIANCE



Metropolitan Saint Louis Sewer District 2350 Market Street Saint Louis, Missouri 63103-2555

VA MEDICAL CENTER 915 N. Grand Blvd. St. Louis, MO 63106

Attn: Mike Stogsdill

Pipe Shop Superviosr

INDUSTRIAL WASTEWATER DISCHARGE PERMIT NUMBER 1008545900.

ANNUAL PERMIT FEE NOTICE

For permits in effect as of 10/01/2017.

Fee will be included in a separate bill from the Metropolitan St. Louis Sewer District.

Explanation of Charges Fee for Pretreatment Program Discharge Permit covering the period October 1, 2016 through September 30, 2017, issued in accordance with the Metropolitan St. Louis District Ordinance #12413 for the location at 915 N. Grand Boulevard. Base charge @ \$150.00 per permit \$150.00 Volume charge @\$0.72 per average daily Ccf 66.94 Ccf(s) 48.20 Sample Point Charge @\$100.00 per sample point 3 Point(s) 300.00

Total Fee Due:

For inquiries about the Annual Permit Fee, please call 314-436-8756. For inquiries about payment of the fee, which will appear on your upcoming monthly bill, please call 1-866-281-5737.

\$498.20

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I:

PART II:

IDENTIFYING INFORMATION

Company Name: VA MEDICAL CENTER

Permit No: 1008545900 - 3

Effective Date: Feb 01, 2017

Expiration Date: Jan 31, 2022

Premise Address: 915 N. Grand Boulevard, St. Louis, MO 63106

ANALYTICAL RESULTS OF SELF MONITORING

Monitoring Period:

□(JAN-MAR)

□(APR-JUNE)

□(JULY-SEPT)

XX(OCT-DEC)

Samples Collected By: ENVIRONMENTAL MONITORING TECH

Analyses Performed By: <u>ENVIRONMENTAL MONITORING TECH</u>

WART III ANALI TIOAL RESUL	⇔			r T	***	T==		1
MSD SAMPLE POINT REFERENCE NUMBERS			001	<u> </u>	002	0	03	
DATES ON WHICH SAMPLES WERE COLLECTED	⇔	10/	23/2017		10/23/2017	N/	A	
TIMES AT WHICH SAMPLES WERE COLLECTED	⇔		1326		1314		A	
PARAMETER	LIMIT	RE	CORD SAMPLE T (G=grab, C=corr		(G, C, M OR E) A M=measured flow, E			UNITS
FLOW		E	86,039	E	23,521	E	500	GPD
BOD	***	C	191	C	94		* * * * * * *	MG/L
COD		LC	291	С	348			MG/L
OIL AND GREASE TOTAL	200	_G:	6.74	G	<4.00			MG/L
TOTAL PHENOLS	21	G	0.0747	G	0.0788			MG/L
TSS	*****	С	141	C	133			MG/L
PH	5.5-11.5	G	7.80	G	7.80		****	PH
TEMP	60	G	18.9	G	19.9			CEL_
					· · · · · · · · · · · · · · · · · · ·			
			· · · · · · · · · · · · · · · · · · ·					
							· · · · · · · · · · · · · · · · · · ·	

							Control of the Contro	
			T-000-common contact to the science of the		ngayyayayayaanaaaaanaaaaaaaaaaaaaaaaaaa			
			- Marketon Communication Commu			**************************************	·	
			hdfaabinnaan					
							:	
					6	E	CEIVE	D

You must complete and sign the certification statements on the second per 2017

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

A - No change in wastewater discharge at sampling points with no monitoring required

For permit special conditions that waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification for each report in which monitoring is waived:

MFS I certify, since the last discharge monitoring report, there has been no charge in the character of the wastes discharged at sample point 003.

PART IV: GENERAL CERTIFICATION STATEMENTS

B. Certify Discharge Monitoring Report & attachments

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official: Mike Stogsdill			
Tille: Pipe-Shop-Supervisor	Telephone:	314-289-6450	· · · · · · · · · · · · · · · · · · ·
Signature: MICHAEL F. STOGSDILL 179086	Date:	Nov 6-2017	

2

RECEIVED

TIOS & O VCM

Client Sample Results

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17J0146

Client Sample ID: 001 Composite

Report Date: 11/01/2017

Collection Date: 10/24/2017 13:26

Matrix: Wastewater

Lab ID: 17J0146-01

		EMT Reporting			Date/Time		
Analyses	Result	Limit	Qual U	nits	Analyzed	Batch	Analyst
Net Chemistry							
Method:	HACH 8000						
Chemical Oxygen Demand (COD)	291	10.0	m	g/L	10/26/17 08:20	B7J0907	CP1
Method:	SM2540D	***************************************	***************************************	**************************************		3	
Suspended Solids (Residue, Non-filterable)	141	15.0	m	g/L	10/31/17 08:04	B7J1044	JJ2
Method:	SM5210 B	Marie de Marie de Marie de la Marie de					***************************************
Biochemical Oxygen Demand	191	15	m	g/L	10/30/17 08:57	B7J0865	MM7

RECEIVED

NOV 0 6 2017

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17J0146

Client Sample ID: 001 Grab

Report Date: 11/01/2017

Collection Date: 10/24/2017 13:46

Matrix: Wastewater

Lab ID: 17J0146-02

Analyses	Result	EMT Reporting Limit	Qual U	inits	Date/Time Analyzed	Batch	Analyst
On Site Analysis	1420000		······································				
Method: SM2	550-B						
Temperature	18.9		•(С	10/24/17 13:46	B7J0925	EJ2
Method: SM4	500-H						
рН	7.80	0.05	р	H Units	10/24/17 13:46	B7J0925	EJ2
Wet Chemistry	WH Parking and a second			33.00		******************************	
Method: E166	54A						
Oil and Grease (HEM)	6.74	4.00	m	ng/L	10/27/17 00:00	B7J0909	DP1
Method: E42	0.1 Rev.1978 by	/ Aquache	m/MIDI				
Phenolics, Total Recoverable	0.0747	0.0100	n	ng/L	10/25/17 12:18	B7J0869	KJ1

RECEIVED

NUS & C YOU



8100 N. Austin Avenue

Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17J0146

Client Sample ID: 002 Composite

Report Date: 11/01/2017

Collection Date: 10/24/2017 13:14

Matrix: Wastewater Lab ID: 17J0146-03

	***************************************	J01444904JUHADUHALDONONONOONO		EGD 15. 1730190-03	1 . 10	
Analyses	Result	EMT Reporting Limit	Qual Units	Date/Time Analyzed	Batch	Analyst
Wet Chemistry					:	
Method: H	IACH 8000					
Chemical Oxygen Demand (COD)	348	10.0	mg/L	10/26/17 08:20	B7J0907	CP1
Method: S	M2540D		COOP - A - A - MANAGEMAN AND AND AND AND AND AND AND AND AND A		w	
Suspended Solids (Residue, Non-filterable)	133	15.0	mg/L	10/31/17 08:04	B7J1044	JJ2
Method: S	M5210 B		***************************************		***************************************	**************************************
Biochemical Oxygen Demand	94	15	mg/L	10/30/17 08:57	B7J0865	MM7

RECEIVED

NOV 0 6 2017

8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666

800.246.0663 F 847.967.6735 www.emt.com

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 002 Grab

Report Date: 11/01/2017

Collection Date: 10/24/2017 13:19

Matrix: Wastewater

Work Order:

17J0146

Lab ID: 17J0146-04

Analyses	Result	EMT Reporting Limit	Qual	Units	Date/Time Analyzed	Batch	Analyst
On Site Analysis							
Method: SM2	550-B						
Temperature	19.9			°C	10/24/17 13:19	B7J0925	EJ2
Method: SM4	500-H						
pH	7.80	0.05		pH Units	10/24/17 13:19	B7J0925	EJ2
Wet Chemistry	***************************************						
Method: E166	4A						
Oil and Grease (HEM)	< 4.00	4.00		mg/L	10/27/17 00:00	B7J0909	DP1
Method: E420	.1 Rev.1978 b	y Aquacher	m/MID				
Phenolics, Total Recoverable	0.0788	0.0100		mg/L	10/25/17 12:18	B7J0869	KJ1

DEVISOSH

YOU BE YEN

AG-32 oz amber gissa AG-32 oz amber gless, 1:1 H2SO4 to pH <2 G-32 oz FOG, glass, 1:1 HCL to pH <2 NA-No container field texted D= 16 oz HDPE, 1:1 H2SO4 to pH <2 P=32 oz HOPE, V=44 mi VOA vizi, 1:1 HCl to pH <2

Environmental Monitoring and Technologies, Inc.

CHAIN OF CUSTODY

Environmental Monitoring and Technologies, Inc 8100 Austin Ave Morton Grove --- Phone: 11, 60053-3203 Fax: 843

-- Phone: 800-246-0663 Fax: 847-967-67-35

	⊒	IL, 60053-3203	. 60			Fax: 847-967-67-35	-67-35						Lab W	ork Order Num	Der:	Lab Work Order Number: 17J0146	
Clent Name	(and	Project Name				是是他是这些人的是为2.140	主力を持つ	会の主義ない	ALTERNATURE OF THE PARTY OF THE	Regietted	Paguested Ansigas			A SECTION OF SECTION S	he surva	Description Time Section	17
St. Louis VA Medical Center	<u>×</u>	VASTL John Cochran	Cochran						1				_		¥ 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- Name of the company of	_
Client Contact	Proj	Project Number					••••	KAMASIN AS					- Continues of the Cont		**********	Rush requests subject to	*******
Michael F. Stogsdill	민	[none]						На	-						***************************************	additional charge:	
Addres*	P _{TO}	Project Description	c		***************************************	***************************************	-	:o	ORANIA WOLK		*********		annonen		æ	Rush requests subject to lab	
915 N. Grand Ave.								314	********	******	**********		********	i de Tilles	-	approval.	
C#A	8	PO Number				***************************************		009					*******	•			
St. Louis	65	657-C70005					***************************************)		******					*********	V	00000
Surle/Zip	des.	Shipped By						O-di			*********		*********		<u></u>	Standard (days)	7
MO, 63106		-	r,			WE		EW					dinger de		MARININA		
Phone / Fax.	Trac	Tracking Number				о"н	SS	נ"ם ז	NOF	;	Э	a			<u></u>	Expedited (days)	T
(314) 372-03737 (314) 034-0337	-					FO	īīc	313	ЗНс	00/	OΛS	ဝ၁	20000000	20007070			
Serial plant	E S	pler Stynatur	Sampler Standure Educa As		ľ	, 1864	S240C	S220 ⁻	450℃	€\$4 [™]	ese e	0008				One Date	***************************************
	***************************************		7	-		the state of the s	27 m 18 m 19 m	*** XXX XX XX XX XX	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dan sandardon Coda -					ш	**************************************	1 r
Sample Name or Red D	Sempled	Sampled: Sample Type	Sample Type	Marrix	Container	9.0						2	A Attorior	TEMP		adust 1. Chi	
		12.76	COMP	31			<u> </u>			2011	2	¥	1	+	T	Comments 2	7
***************************************			1800			1	7		1	+	1	1		-	+		~~
	-	37.0	GKAB	§	6	+			-	3	8			7 7	20	が下いった	
002 Composite (O)	10/24/17	1314	COMP	3	4		3					-		12.4	ပ	ST.C.C.	******
002 Grab /0/	10/24/17	13/9	GRAB	%	6	*		-	-	n)	m			16'6	<i>a</i> 2	らなれてひん	
	_	-													-		7
		-													\vdash		T-
									l	T	İ				-		_
	-	T									t	\dagger	1	***************************************	+		7
	-	+				1	T				1				+		_
	+	-	Ī			1	T				$\Big $	T	1		+		7
	+	-				1	+	***************************************			+	+	1		\dagger		
	***************************************	-					1			T			1		<u> </u>		
							7						_		*		
Relinquistred By Selle Jan	20100		Date/Time (0/24// 7	Received By		,	α	Date/Time							-		r
Relinquished By		1	te/Time	Received By			٥	Date/Time	ŏ	Comments	4 1 00 P. A		10.7	***************************************			~
Relinquished By		å	Date/Time	Reserved By				Date/Time -/	T	2	-						
				X	9			125/1	777	Q							Marrows
Cooler Numbers and Temperatures) }									~~~
Matrix Codes: WW+Wastewater	feWastewater			***************************************		Preserv. Codes:	*	No Preservativ	e, Store at 4 C.	-Suffuric acid	(H2SO4) pH <2	Store at 4 C,5	Hydrochioric ac	1=No Preservative, Store at 4 C.2=Suffuric acid (H2SO4) pH <2, Store at 4 C.5=Hydrochioric acid (HCt) pH <2, Store at 4 C.	e at 4 C	,	~
											:				í		

RECEIVED

Conf. Codes

DIVISION OF ENVIRONMENTAL COMPLIANCE

Page 14 of 24

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I:

IDENTIFYING INFORMATION

Company Name: VA MEDICAL CENTER

Permit No: 1008545900 - 3

Effective Date: Feb 01, 2017

□(APR-JUNE)

Expiration Date: Jan 31, 2022

Premise Address: 915 N. Grand Boulevard, St. Louis, MO 63106

XX(JULY-SEPT)

□(OCT-DEC)

Monitoring Period:

Samples Collected By: ENVIRONMENTAL MONITORING TECH

Analyses Performed By: <u>ENVIRONMENTAL MONITORING TECH</u>

PART II:	ΔΝΔΙ ΥΤΙΓΔΙ	RESULTS OF	SELE MONITORING
. [[[]]]]]]		NEGULIGUI	- DEFE MINIMITALING

□(JAN-MAR)

MSD SAMPLE POINT REFERENCE NUMBERS	\$		001		002	00	03	
DATES ON WHICH SAMPLES WERE COLLECTED	ಧ		08/03/17		08/03/17	N/A		
TIMES AT WHICH SAMPLES WERE COLLECTED	⇔	13:15			13:40		Α	
PARAMETER	LIMIT	RE			(G, C, M OR E) AI M=measured flow, E	ND RE	SULTS BELOW	UNITS
FLOW		E	86,039	E	23,521	E	500	GPD
BOD		С	_138	С	796			MG/L
COD		C	425	С	871			MG/L
OIL AND GREASE TOTAL	200	_G	8.03	G	_10.6			MG/L
TOTAL PHENOLS	21	G	0.0934	G	0.0601		~~~~	MG/L
TSS		С	106	С	836			MG/L
PH	5.5-11.5	G	7.80	G	7.90		~~~	PH
TEMP	60	G	30.1	G	23.3			CEL
TTO	5.844	G	0.214	G	0.214			MG/L
								,
							garing-range-range-range-range-range-range-range-range-range-range-range-range-range-range-range-range-range-r	
								<u> </u>
· · · · · · · · · · · · · · · · · · ·								
							- Salaberra Dababababababababah	
							annandananan glopakki kipi sepapa pengapananan	
					R	E (CEIVE	P

You must complete and sign the certification statements on the second paper 2017

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

A - No change in wastewater discharge at sampling points with no monitoring required

For permit special conditions that waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification for each report in which monitoring is waived:

MTO I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample point 003.

PART IV: GENERAL CERTIFICATION STATEMENTS

B. Certify Discharge Monitoring Report & attachments

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official: Mike Stogsdill	4	
Title: _Pipe_Shop_Supervisor	Telephone:	314-289-6450
Signature: MICHAEL F. STOGSDILL 179086 000 000 000 000 000 000 000 000 000		8/24/17

2

RECEIVED
SET 14 2017
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART	I: IDENTIFYING INFORMATION								
Compa	any Name: VA - St. Louis Health Care S	system							
Permi	t No: 11140460-00								
Premi	se Address: 915 N. Grand Blvd, St. Lo	ouis, MO 63106							
Repor	ting Period: [JAN-MAR] [AP	R-JUNE) (JULY-SEPT) (OCT-DEC)							
PART	II: RECORD OF DISPOSAL OF RADIOACTI	VE MATERIALS TO THE SEWER SYSTEM							
	RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)							
	Any/All	0 (zero)							
	· · · · · · · · · · · · · · · · · · ·								
	TOTAL ACTIVITY DISCHARGED:	0 (zero)							
PART III: CERTIFICATION STATEMENTS									
Place your initials in the box under item A. Everyone must complete the information under items A & B and sign this report.									
A.	CERTIFICATION OF COMPLIANCE WITH STA	re and federal regulations							
✓	I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.								
В.	RADIOACTIVE MATERIALS DISCHARGE REPO	RT CERTIFICATION							
direct proper person the in I am a	cify under penalty of Law that this document a cion or supervision in accordance with a system cly gather and evaluate the information submit as who manage the system, or those persons directly aformation submitted is, to the best of my known as that there are significant penalties for civility of fine and imprisonment for knowing vi	m designed to assure that qualified personnel ted. Based on my inquiry of the person or ectly responsible for gathering the information, wledge and belief, true, accurate, and complete. submitting false information, including the							
Print	type name of signing official: Gary	L. Hall RECEIVED							
	Radiation Safety Officer	Telephone: (314) 652-4100, ext. 54832							
Signa	Digitally aigned by GARY L. HALL 967465 0.9.2342.19200300.100.1.1=gary.h	SEP 14 2017							
	Date: 2017.09.13 13:57:49 -05'00'	DIVISION OF FACTOR CONTROL PROPERTY OF THE PRO							

Client Sample Results

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17H0122

Client Sample ID: 001 Composite

Report Date: 08/11/2017

Collection Date: 08/03/2017 13:15

Matrix: Wastewater

Lab ID: 17H0122-01

				EGD ID. 1/1/0122-01	
Analyses	Result	EMT Reporting Limit	Qual Units	Date/Time Analyzed Batch	Analyst
Wet Chemistry					
Method:	HACH 8000				
Chemical Oxygen Demand (COD)	425	10.0	mg/L	08/08/17 13:31 B7H0287	TB2
Method:	SM2540D				
Suspended Solids (Residue, Non-filterable)	106	15.0	mg/L	08/08/17 10:00 B7H0285	CP1
Method:	SM5210 B				
Biochemical Oxygen Deman	nd 138	15	mg/L	08/09/17 09:13 B7H0149	мм7

RECEIVED

SEP 14 2017

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17H0122

Client Sample ID: 001 Grab

Report Date: 08/11/2017

Collection Date: 08/03/2017 13:20

Matrix: Wastewater

				Lab ID: 17H0122-02		
Anahase	Dan	EMT Reporting Limit Qu	al Ilmite	Date/Time	Data.	A
Analyses	Result	Limit Qu	al Units	Analyzed	Batch	Analyst
On Site Analysis						
Method: SM2	2550-B					
Temperature	30.1		•c	08/03/17 13:20	B7H0155	AC1
*			······································		D/10133	ACI
Method: SM4	1500-H					
pH	7.80	0.05	pH Units	08/03/17 13:20	B7H0155	AC1
161-4 68						
Wet Chemistry						
Method: E16	64A					
Oil and Grease (HEM)	8.03	4.00	mg/L	08/08/17 09:08	B7H0211	DP1
Method: E42	0 1 Ray 1978 b	y Aquachem/N	וחו			
		• •				
Phenolics, Total Recoverable	0.0934	0.0100	mg/L	08/04/17 14:45	B7H0168	KJ1
Volatile Organic Compound	s by GC/MS					
Method: E62	-					
	4 / 3440030					
1,1,1-Trichtoroethane	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
1,1,2,2-Tetrachloroethane	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
1,1,2-Trichloroethane	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
1,1-Dichloroethane	< 0.00200	0.00200	mg/L	08/04/17 18:10	B7H0221	FP1
1,1-Dichloroethene	< 0.00200	0.00200	mg/L	08/04/17 18:10	B7H0221	FP1
1,2-Dichlorobenzene	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
1,2-Dichloroethane	< 0.00200	0.00200	mg/L	08/04/17 18:10	B7H0221	FP1
1,2-Dichloropropane	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
1,3-Dichlorobenzene	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
1,4-Dichlorobenzene	< 0.00800	0.00800	mg/L	08/04/17 18:10	B7H0221	FP1
2-Chloroethyl vinyl ether	< 0.00800	0.00800	mg/L	08/04/17 18:10	B7H0221	FP1
Acrolein	< 0.0100	0.0100	mg/L	08/04/17 18:10	B7H0221	FP1
Acrylonitrile	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
Benzene	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
Bromodichloromethane	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
Bromoform	< 0.00200	0.00200	mg/L	08/04/17 18:10	B7H0221	FP1
Bromomethane	< 0.0100	0.0100	mg/L	08/04/17 18:10	B7H0221	FP1
Carbon tetrachloride	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
Chlorobenzene	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
Chloroethane	< 0.0100	0.0100	mg/L	08/04/17 18:10	B7H0221	FP1
Chioroform	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
Chioromethane	< 0.0100	0.0100	mg/L	08/04/17 18:10	B7H0221	FP1
cis-1,3-Dichloropropene	< 0.00200	0.00200	mg/L	08/04/17 18:10	B7H0221	FP1
Dibromochloromethane	> ⊴< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
Ethylbenzene	< 0.00200	0.00200	mg/L	08/04/17 18:10	B7H0221	FP1
m,p-Xylene	< 0.00800	0.00800	mg/L	08/04/17 18:10	B7H0221	FP1
Methylene chloride	্ব < 0.00200	0.00200	mg/L	08/04/17 18:10	B7H0221	FP1
o-Xylene	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
Tetrachioroethenel O 10001/10	/ < 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
Toluene CIAN GAMOO MOTORIA	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1
trans-1,2-Dichloroethene	< 0.00400	0.00400	mg/L	08/04/17 18:10	B7H0221	FP1



Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17H0122

Client Sample ID: 001 Grab

Report Date: 08/11/2017

Collection Date: 08/03/2017 13:20

Matrix: Wastewater

Lab ID: 17H0122-02 (Continued)

						10. 11110122-02 (CC	minucu)	************
Analyses	Result	EMT Reporting Limit	Qual	Units		Date/Time Analyzed	Batch	Analyst
Volatile Organic Compounds	by GC/MS	(Continue	d)					***************************************
Method: E624	SW5030 (Co	ntinued)						
trans-1,3-Dichloropropene	< 0.00400	0.00400		mg/L		08/04/17 18:10	B7H0221	FP1
Trichloroethene	< 0.00400	0.00400		mg/L		08/04/17 18:10	B7H0221	FP1
Trichlorofluoromethane	< 0.0100	0.0100		mg/L		08/04/17 18:10	B7H0221	FP1
Vinyl chloride	< 0.0100	0.0100		mg/L		08/04/17 18:10	87H0221	FP1
Xylenes, Total	< 0.0100	0.0100		mg/L		08/04/17 18:10	87H0221	FP1
1,2-Dichloroethene, Total	< 0.0200	0.0200		mg/L		08/04/17 18:10	B7H0221	FP1
1,3-Dichloropropene, Total	< 0.0100	0.0100		mg/L		08/04/17 18:10	B7H0221	FP1
Surrogate: Dibromofluoromethane				Recovery: 105%	Limits: 85-135	08/04/17 18:10	B7H0221	FP1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 105%	Limits: 70-120	08/04/17 18:10	B7H0221	FP1
Surrogate: Fluorobenzene				Recovery: 96%	Limits: 80-120	08/04/17 18:10	B7H0221	FP1
Surrogate: Toluene-d8				Recovery: 95%	Limits: 85-120	08/04/17 18:10	B7H0221	FP1
Surrogate: 4-Bromofluorobenzene				Recovery: 96%	Limits: 75-120	08/04/17 18:10	B7H0221	FP1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 96%	Limits: 70-120	08/04/17 18:10	B7H0221	FP1

RECEIVED

SEP 1 4 2017



Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17H0122

Client Sample ID: 002 Composite

Report Date: 08/11/2017

Collection Date: 08/03/2017 13:40

Matrix: Wastewater

Lab ID: 17H0122-03

		EMT Reporting			Date/Time		
Analyses	Result		Qual Ur	its	Analyzed	Batch	Analyst
Net Chemistry					•		
Method: HA	CH 8000						
Chemical Oxygen Demand (COD)	871	20.0	mç	/L	08/08/17 13:33	B7H0287	TB2
Method: SN	12540D						
Suspended Solids (Residue, Non-filterable)	836	15.0	mç	L	08/08/17 10:00	B7H0285	CP1
Method: SN	15210 B	······································					
Biochemical Oxygen Demand	796	. 15	mg	/ L	08/09/17 09:13	B7H0149	MM7

RECEIVED

MS 41 432

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 002 Grab

Report Date: 08/11/2017

Collection Date: 08/03/2017 13:55

Matrix: Wastewater

Work Order:

17H0122

Lab ID: 17H0122-04

		EMT					
		Reporting			Date/Time		
Analyses	Result	Limit	Qual	Units	Analyzed	Batch	Analyst
On Site Analysis							
Method: SM2	2550-B			• •			
Temperature	23.3			*c	08/03/17 13:55	B7H0155	AC1
Method: SM4				-			
					00/00/47 40.55	07110455	404
pH	7.90	0.05		pH Units	08/03/17 13:55	B7H0155	AC1
Wet Chemistry							
Method: E16	64A						•
Oil and Grease (HEM)	10.6	4.00		mg/L	08/08/17 09:10	B7H0211	DP1
Method: F42	0.1 Rev.1978 b	v Anuacher	n/MIDI				
		•			08/04/17 14:45	B7H0168	KJ1
Phenolics, Total Recoverable	0.0601	0.0100		mg/L	CP.#1 111F0100	57110100	ıwı
Volatile Organic Compound	is by GC/MS						
Method: E62	4 / SW5030						
1,1,1-Trichloroethane	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	FP1
1.1.2.2-Tetrachloroethane	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	FP1
1,1,2-Trichloroethane	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	FP1
	< 0.00200	0.00200		-	08/04/17 18:43	B7H0221	FP1
1,1-Dichloroethane				mg/L	.08/04/17 18:43	B7H0221	FP1
1,1-Dichloroethene	< 0.00200	0.00200		mg/L			FP1
1,2-Dichlorobenzene	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	
1,2-Dichloroethane	< 0.00200	0.00200		mg/L	08/04/17 18:43	87H0221	FP1
1,2-Dichloropropane	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	FP1
1,3-Dichlorobenzene	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	FP1
1,4-Dichlorobenzene	< 0.00800	0.00800		mg/L	08/04/17 18:43	B7H0221	FP1
2-Chloroethyl vinyl ether	< 0.00800	0.00800		mg/L	08/04/17 18:43	B7H0221	FP1
Acrolein	< 0.0100	0.0100		mg/L	08/04/17 18:43	B7H0221	FP1
Acrylonitrile	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	FP1
Benzene	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	FP1
Bromodichloromethane	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	FP1
Bromoform	< 0.00200	0.00200		mg/L	08/04/17 18:43	B7H0221	FP1
Bromomethane	< 0.0100	0.0100		mg/L	08/04/17 18:43	B7H0221	FP1
Carbon tetrachloride	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	FP1
Chlorobenzene	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	FP1
Chloroethane	< 0.0100	0.0100		mg/L	08/04/17 18:43	B7H0221	FP1
Chloroform	< 0.00400	0.00400		mg/L	08/04/17 18:43	B7H0221	FP1
Chloromethane	< 0,0100	0.0100		mg/L	08/04/17 18:43	B7H0221	FP1
cis-1,3-Dichloropropene	< 0.00200	0.00200		mg/L	08/04/17 18:43	B7H0221	FP1
Dibromochloromethane	< 0.00200	0.00200			08/04/17 18:43	B7H0221	FP1
Ethylbenzene	< 0.00200	0.00200		mg/LRECEIVED	08/04/17 18:43	B7H0221	FP1
						B7H0221	FP1
m,p-Xylene	< 0.00800	0.00800		mg/L	08/04/17 18:43		
Methylene chloride	< 0.00200	0.00200		mg/L SEP 1 4 2017	08/04/17 18:43	B7H0221	FP1
o-Xylene	< 0.00400	0.00400		THE CONTRACTOR OF THE CONTRACT	08/04/17 18:43	B7H0221	FP1
Tetrachloroethene	< 0.00400	0.00400		mg/L DIVISION OF	08/04/17 18:43	B7H0221	FP1
Toluene	< 0.00400	0.00400		mental Compliance	08/04/17 18:43	B7H0221	FP1
trans-1,2-Dichloroethene	< 0.00400	0.00400		WENAIKOMMENT LATER COMMENT AND	08/04/17 18:43	B7H0221	FP1

8100 N. Austin Avenue

Morton Grove, IL 60053-3203

P 847.967.6666

800.246.0663

F 847.967.6735

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17H0122

Client Sample ID: 002 Grab

Report Date: 08/11/2017

Collection Date: 08/03/2017 13:55

Matrix: Wastewater

Lab ID: 17H0122-04 (Continued)

		EMT						
		Reporting	_			Date/Time		
\nalyses	Result	Limit	Qual	Units	***************************************	Analyzed	Batch	Analyst
/olatile Organic Compounds	by GC/MS	(Continue	d)					
Method: E624 /	SW5030 (Co	ntinued)						
trans-1,3-Dichloropropene	< 0.00400	0.00400		mg/L		08/04/17 18:43	B7H0221	FP1
Trichloroethene	< 0.00400	0.00400		mg/L		08/04/17 18:43	B7H0221	FP1
Trichlorofluoromethane	< 0.0100	0.0100		mg/L		08/04/17 18:43	B7H0221	FP1
Vinyl chloride	< 0.0100	0.0100		mg/L		08/04/17 18:43	B7H0221	FP1
Xylenes, Total	< 0.0100	0.0100		mg/L		08/04/17 18:43	B7H0221	FP1
1,2-Dichloroethene, Total	< 0.0200	0.0200		mg/L		08/04/17 18:43	B7H0221	FP1
1,3-Dichloropropene, Total	< 0.0100	0.0100		mg/L		08/04/17 18:43	B7H0221	FP1
Surrogate: Dibromofluoromethane				Recovery: 106%	Limits: 85-135	08/04/17 18:43	B7H0221	FP1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 105%	Limits: 70-120	08/04/17 18:43	B7H0221	FP1
Surrogate: Fluorobenzene				Recovery: 95%	Limits: 80-120	08/04/17 18:43	B7H0221	FP1
Surrogate: Toluene-d8				Recovery: 98%	Limits: 85-120	08/04/17 18:43	B7H0221	FP1
Surrogate: 4-Bromofluorobenzene				Recovery: 100%	Limits: 75-120	08/04/17 18:43	B7H0221	FP1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 95%	Limits: 70-120	08/04/17 18:43	B7H0221	FP1

RECEIVED

THE FIRE THE

CHAIN OF CUSTODY

Environmental

Monitoring and

Technologies, Inc. 8100 Austin Ave

Environmental.Monitoring and Technologies

Morton Grove
IL, 60053-3203

St. Louis VA Medical Center

Michael F. Stogsdill Address 915 N. Grand Ave.

Phone: 800-246-0663 Fax: 847-967-67-35

Page 1 of 1823

967-67-35 Lab Work Order Number 17H0122

Rush requests subject to lab Rush requests subject to additional charge. Expedited (days) Standard (days) E420.1 Rev.1978 by Aquachem/MIDI::HACH 8000 E625::SM2540D::SM2550-B::SM4500-H E1664A: E624 VASTL John Cochran Project Description Project Number · 657-C70005 Fracking Number PO Number Shipped By [noue] Fax (314) 894-6557

8/9/2017 17:00

Due Date

Sampler Signature

314) 372-6973

MO, 63106

St. Louis

Date/Time ON TO CIDERS Sample Kit Prepared By 0 O 4 O ₹ 3 8 ₹ ပ 001 Composite 002 Composite 002**-5g**ab 001 Grab 耳中 E ŧ C 14 2017 DIVISION OMF

S=Hydrochloric acid (HCl) pH <2, Store at 4 C,9=No Preservative, Store at 4 C,2=Sulfuric acid (H2SO4) pH <2, Stor commens AA-OOL PH Midpoint = 7.00 Date/Time Date/Time Preserv. Codes: Received By Received By 8718 Date/Time Date/Time 2.4 oler Numbers and Temperatures elinquished By Matrix Codés:

Page 21 of 30



ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC.

8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Ambient Weather Serving O Wind S-Durin Arrival Time 1317 O Departure Time 1314 O Sampler I.D. 8 Sampler Type 3710 Meter I.D. Meter Type Battery I.D. 8 Battery I.D. Battery I.D. Battery I.D. Battery I.D. Sampling Interval 5 WAIA. Reading Level Actual Level Total Flow Multiplex Conversion Interval Service Maximum Head Height Sampler Start Time Description / Comments Sampler Interval Sampler Start Time Description / Comments Sampler Interval Sampler Start Time Composite Grab Sampler Sampler Sampler Start Time Sampler Interval Sampler Start Time Description / Comments Sampler Start Time Composite Grab Sampler S	Client VA Medica	1 Center Cochran	Outfall I.D. 1A -C	201 Date	8-3-17
Sampler I.D. 8 Sampler Type 3/10 Meter I.D. Meter Type Battery I.D. 5.3 Battery I.D. Reading Level Actual Level Multiplex CMPDS1+C Total Flow Primary Device Multiplex CMPDS1+C Maximum Head Height Install Service Pull Sample Initiation Sampler Start Time Bottle # Volume 1. 5 Gal. PE Camposite Canta INLS 3/10 Sanitary Sanitary 3. Collected Sample Collected At 13:12 Sanitary Sanitary 3. Collected Sample Comments 1. 5 Gal. PE Camposite Canta INLS 3/10 Sanitary Sanitary 5 Tempi 3/1 4 Composite Canta INLS 3/10 Sanitary Sanitary 5 Tempi 3/1 4 Composite Canta INLS 3/10 Sanitary Sanitary 6 Obtained grabs at 13:20 Floods Sediment Floods Flock Sediment Sediment Color grap Floods Sediment Color grap Sediment Color grap Sediment Color grap Sediment Sediment Color grap Sediment Sediment Color grap	Ambient Weather 5000	490° Wind _ 5~ 10 mp	Arrival Time 13110	Departure Time /	3:40
Battery I.D. Sampling Interval Sampling Interval Sampling Interval Samples 100 Sample Collected At 1312 Primary Device Install Service Pull Bottle # Volume 1. 5 qal PE Camp 251 + Cantainer 1. 6 Clear Clear Milky Mi					
Sampling Interval Multiplex Description / Comments Service Fold Bottle # Volume 1 S GAL PE COMPOSITE CANTAINER 3 COMPOSITE CANTAINER 3 COMPOSITE CANTAINER Sample Initiation Sampler Start Time Bottle # Volume Description / Comments Composite Sampler Start Time Composite Sampler Start Time Bottle # Volume Description / Comments Composite Sanitary	Battery I.D53	-			
Multiplex Composite Number of Samples 100 Sample Collected At 13:125 Primary Device Timp#Flow/Storm ICE/Ref: Maximum Head Height Install Service Pull Sample Initiation Sampler Start Time Bottle # Volume Description / Comments Zample Initiation Sampler Start Time Bottle # Volume Description / Comments Zampler Start Time 1.	Sampling Interval	5 min.	•	Actual Level	
Number of Samples 700 Sample Collected At 1312 Primary Device Times Flow/Storm Install Service Pull Sample Initiation Sampler Start Time Bottle # Volume Description / Comments 1	Multiplex Compo	osite.	Total Class		
Install Service Pull Sample Initiation Sampler Start Time Bottle # Volume Description / Comments Sampler Start Time 1. 5 Gal. PE Composite Cantaines 3/3 full Sanitary Sanit	Number of Samples 10	O Sample Collected At 1312	Primary Device		
Bottle # Volume Description / Comments 1 S gal PE Composite Cantainer 3/3 full Sanitary Sanit	/ * N				
Bottle # Volume Description / Comments 1 S gal PE Composite Cantainer 3/3 full Sanitary Sanit	Install Service	Pull	Sample Initiation	_ Sampler Start Time	
Sanitary San					o## ₩
3 Collected Sample 4 Tempistry 6 Clear Clear Clear Milky M		Description / Com	nments Z/A	<u>Composite</u>	<u>Grab</u>
Cloudy Cloudy Lear Clear Clear Milky Milky Cloudy Clear Clear Clear Milky Milky Cloudy	1 - gar, re	Lamposite Contai	nes 13toll	Sanitary	Sanitary
Clear Clear S. Temp 31.49 Color Milky Milky Milky Milky Milky Mil	2 Collected	5- mall a		<u>(\$\$</u>)	\$827
Oil Film Oil Film 7. Obtained 9.0 bs at 13:20 8. Performed tield PH test 10. Sediment Sediment Color) 9. Color Sediment Col	f .	•			Cloudy
Oil Film Oil Film 7. Obtained 9.0 bs at 13:20 8. Performed tield PH test 10. Sediment Sediment Color) 9. Color Sediment Col	5 Tem D, 71.40	y	erdegjällija ete erger men dilikkon tillionikuskannon kilomen er	Clear	
Flock Sediment Flock Sediment Sediment Color 912 (20) 9	6			Milky	•
Flock Sediment Flock Sediment Sediment Color 912 (20) 9	7. Obtained	grabs at 13:20	2	Oil Film	
10. 11. Perserved Samples at 13:30 11. Perserved Samples at 13:30 12. Other	0	~			•
10. 11. Perserved Samples at 13:30 11. Perserved Samples at 13:30 12. Other	9 Pertormed.	Field PH test		Sediment	
pH Meter Calibration 7.0 = 7.08 15. Let avea clean 16.					
pH Meter Calibration 7.0 = 7.06 15. Lett avea alean 16.	11. Leusenved S	Samples at 13.	30-	Other 91a)	1 - 017
15. Left Qive a Clean 16. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 17. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 18. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 18. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 19. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 19. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 10. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 10. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 11. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 12. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 13. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 14. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 15. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 16. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 17. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 18. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 19. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 10. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 10. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 11. $\frac{10.0 = 10.0}{10.0 = 10.0}$ 12. $\frac{10.0 = 10.0}{10.0}$ 13. $\frac{10.0 = 10.0}{10.0}$ 14. $\frac{10.0 = 10.0}{10.0}$ 15. $\frac{10.0 = 10.0}{10.0}$ 16. $\frac{10.0 = 10.0}{10.0}$ 17. $\frac{10.0 = 10.0}{10.0}$ 18. $\frac{10.0 = 10.0}{10.0}$ 19. $10.0 =$	12.			,	•
15. ALT QVEQ CLEGO 16. 10.0 = 10.0 17. Grab Time 33,20 18. 19. Grab Temp 30,12 20. PH Mid Point 7,04 22. Incoming Meters Client Meter Flow Spatial RDL ACTL Technician Signature hadre Labor Date 8-3-17	13 POLLED COUL			pH Meter Ca	
16. 17. 18. 19. 20. 21. 22. Client Meter Flow Signature handle ACTL Technician Signature handle Author Date 8-3-17	14 LOH ONE /	91210			21 1
17	16	man Man Man and Man an	i dinama di manda di manana di		10.01
Grab pH / 20 20. 21. 22. 23. 24. Client Meter Flow Sn ACTL Technician Signature have Date 3-3-17	17	nainthnian dialmaidead di Bainnian na seann dean ann aintinn.		10.0 =	12124
Grab Femp. 30.1 e PH Med Point - 7.04 Incoming Meters Client Meter Flow Signature April Date 8-3-17		•			70
20. 21. 22. 23. 24. Client Meter Flow Signature August Date 8-3-17				Grab pH——	(x)
21. 22. 23. 24. Client Meter Flow Space RDL ACTL Technician Signature Labor Date 8-3-17					
Client Meter Flow Space RDL ACTL Technician Signature August Date 8-3-17				TH Mid Pow	nt=1.04
Client Meter Flow RDL ACTL Technician Signature Laure Date 8-3-17				Incoming Me	eters
Client Meter Flow RDL ACTL Technician Signature Laure Date 8-3-17	23	ASWAS STATE	·······································		
Client Meter Flow Space Space RDL ACTL ACTL Technician Signature Laure Laure Date 8-3-17	24		***************************************		
Technician All Signature Laure Lalkov Date 8-3-17		MEN to his life		•	
Technician All Signature Laure Lalkov Date 8-3-17	Client Meter Flow	- SOMOPHING RD	L_T_ACTI		
	Technician Q20	Signature Augul /- 2	alkor Date 8-3-17	!	
	Technician	•	Date		Page 22 of 30



ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Client A Medical Ambient Weather Sunny & Sampler I.D	200	Mutfall I.D. Arrival Time 150 Meter I.D. Battery I.D. Reading Level	_ Meter Type	8-1-17 2/ 3 0
Multiplex Com.D.	osite	Total Flow		
Number of Samples	Sample Collected At	- · · · ·		
Time/Flow/Storm	ICE)Ref:	Maximum Head Height		• • • • • • • • • • • • • • • • • • • •
(Instal) Service	Pull	Sample Initiation	Sampler Start Time	13:15
2 Set intervolution Set interv	R E C SEP	Pler#8-3710 Ple 15 Samples to	Composite Sanitary SS Coudy Clear Milky	
Client Meter Flow	SnRDI	ACTL	-	
Technician 480	Signature Mushe E	Callide Date 8-2-1	/	
Technician	_Signature	Date	Р	age 23 of 30



ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

		_	
client VA Medical Center Cochran	Outfall I.D. ZA - C	∞ Date $8-3-$	<u> 17</u>
Ambient Weather Schny 90 Wind 5-10 mgh	Arrival Time <u>13145</u>	_Departure Time_ <u>/4,20</u>	
Sampler I.D. 2 Sampler Type 37/0	Meter I.D	Meter Type	
Battery I.D. 57	Battery I.D.		
Sampling Interval /5 min.	Reading Level	_ Actual Level	
Multiplex Composite	Total Flow		
Number of Samples 100 Sample Collected At 13140	Primary Device		
Time/Flow/Storm ICE/Ref:	Maximum Head Height		
Install Service Pull	Sample Initiation	Sampler Start Time	
Bottle # Volume Description / Com	ments //	Composite Grab	
1 5 gal. PE Composite Confai	nes /2 full	Sanitary) Sanit	anve
2		(\$\$) (\$\$	3/
3 Collected Sample		Cloudy Cloud	(Vic
		Clear Clear	
4. Temp. 30.1°C	imalitikaliadikidakilikadianidadia	Milky Milky	
6 Obtained grabs at 13:5		Oil Film Oil Fi	lm
7. UDIGINED GRAIDS CIT DIS		Foamy Foam	ıy
9 Performed Field PH test	, ezaszinannomiktikanomakoniakonomikto	Flock Flock	
· · · · · · · · · · · · · · · · · · ·		Sediment Sedir	P-4.
10. 11. Perserved Samples	animanisimisimismismismismismismismismismismis	Color Dark Color	140
		Other 7 Other	7
13. Pulled equipment		pH Meter Calibrati	on
4.4		$7.0 = \frac{2.00}{1.00}$	2
15 Lest area clean	na matina manana ma	4.0 = 4.0	_
16.		$10.0 = \frac{10 \cdot 0}{10.0}$	<u> </u>
17.	••••••••••••••••••••••••••••••••••••••	Grab Time /315	<u>5</u>
18	sanderingerinering gelangsplagerinering gelangsplatering	Grab pH <u>7,9</u>	·
19	• • • • • • • • • • • • • • • • • • • •	Grap Temp 23, 3	36
20.		PH Mrdpoint=7.	24
21.	***************************************	Incoming Motors	•
22.		Incoming Meters	
23		·	
24. ROMORIVIE STRAITMODULINAM	ewiko:		
Client Meter Flow Sn Sn RD	ACTL		3
Technician AEC Signature Suply 13.0	alhon_Date 8-3-1/		
TechnicianSignature	Date	Page 24	of 30



ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Client V.A. Medical Center	Outfall I.D. DA -	SOZ Date	8-7-5
Ambient Weather Sunny 88 Wind 5-10	Arrival Time 12130	Departure Time	2350
Sampler I.D. 2 Sampler Type 37/0	Meter I.D.	Meter Type	2:55
Battery I.D. 57	Battery I.D.		
Sampling Interval 15 min	Reading Level	_ Actual Level	
Multiplex Composite	Total Flow		***************************************
Number of Samples Sample Collected At	. Primary Device		Acceptance of the Control of the Con
Time/Flow/Storm ICE/Ref:	Maximum Head Height	·	
Install Service Pull	Sample Initiation	Sampler Start Time	12:45
		t me til known i nort	<i>1</i> (m. 14)
Bottle # Volume Description / Com	1 1	Composite	Grab
1. Installed Equipment Samp	1164 # 2-3/1C	Sahitary	Sahitary
3 Set intervals at 15 min	anna ang managapagan ang ang ang ang ang ang ang ang ang	SS	SS
3. Sand Sail Land State Name Mand Saint State Land State Control of the	American in the second	Cloudy	Cloudy
5 Took a good Manuals	ample	Clear Milky	Clear Milky
	· · · · · · · · · · · · · · · · · · ·	Oil Film	Oil Film
7 Starfed Samples at 124	5	Foany.	Foamy
8	engan kanangan dan menggikan pada kenggilan per	Flock	Flock
9 Left orange cones to	nark outfall	Sediment	Sediment
10 dest area clean	ugganadikkinangi digawala dawaninan	Color	Coor
11 Left area clean		Other	Other
12		pH Meter Ca	alithation
13		7.0 =	1
15.		4.0 =	
16	· · · · · · · · · · · · · · · · · · ·	10.0 =	<u></u>
17.	anintatiinaanin miintati aanatatiinaanin aanatatiin aanatatiin aanatatiin aanatatiin aanatatiin aanatatiin aan	Grab Time -	
18.	annii alikamala anna iii adaa aa a	Grab pH	
19.		Grab Temp	
20. REC		Oldb (Ollip-	
21	P 1 4 2017	Incoming Mo	eterk
23		incoming and	CICIP
24. ENVIRON	MENTAL COMPLIANCE		1
FIAMO			
		•	
Client Meter Flow Sn RD	ACTL 9-7:1	7	
Technician Signature Induly	Value Date 0 - L-1	1	
TechnicianSignature	Date	F	Page 25 of 30

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I:

IDENTIFYING INFORMATION

Company Name: VA MEDICAL CENTER

Permit No: 1008545900 - 3

Effective Date: Feb 01, 2017

Expiration Date: Jan 31, 2022

Monitoring Period:

Premise Address: 915 N. Grand Boulevard, St. Louis, MO 63106

□(JAN-MAR)

⊠(APR-JUNE)

□(JULY-SEPT)

□(OCT-DEC)

Samples Collected By: ENVIRONMENTAL MONITORING TECH

Analyses Performed By: ENVIRONMENTAL MONITORING TECH

PART II: ANALYTICAL RESUL	IS OF SE	LF	MONITORING	•				
MSD SAMPLE POINT REFERENCE NUMBERS	⇔		001		002	0	03	
DATES ON WHICH SAMPLES WERE COLLECTED		04	/13/17	04	/13/17	N	/A	
TIMES AT WHICH SAMPLES WERE COLLECTED	₽.	13	30	H -	340	N/		
PARAMETER	LIMIT	1	CORD SAMPLE T	YPES	(Ġ, C, M OR E) At M=measured flow, E	ND RE	SULTS BELOW	UNITS
FLOW		E	86,039	E	23,521	E	500	gal
BOD		С	180	С	67			MG/L
COD		_c	1350	С	402			MG/L
OIL AND GREASE TOTAL	200	_G	< 4.00	G	5.56		,	MG/L_
TOTAL PHENOLS	21	G	0.0707	G	0.0405			MG/L_
TSS		С	118	С	94.0			MG/L_
PH	5.5-11.5	G	8.2	G	7.90			PH
TEMP	.60	Ğ	17.9	G	19.1			CEL
				-				
								<u> </u>

You must complete and sign the certification statements on the second page.

JUN 0 1 2017

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

A - No change in wastewater discharge at sampling points with no monitoring required

For permit special conditions that waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification for each report in which monitoring is waived:

I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample point 003.

PART IV: GENERAL CERTIFICATION STATEMENTS

B. Certify Discharge Monitoring Report & attachments

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and bellef, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official:Mike_Stogsdill			
Title: Pipe Shop Supervisor	**************************************	Telephone: <u>314-289-6450</u>	
Signature: Mile Statel	`	Date: <u>6/1/17</u>	A

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	F I: IDENTIFYING INFORMATION							
Company Name: VA - St. Louis Health Care System								
Permit No: 11140460-00								
Premise Address: 915 N. Grand Blvd, St. Le	ouis, MO 63106							
Reporting Period: [JAN-MAR] (APR-JUNE) [JULY-SEPT] (OCT-DEC)								
PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM								
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)							
Any/All	0 (zero)							
· · · · · · · · · · · · · · · · · · ·								
<u> </u>								
	· · · · · · · · · · · · · · · · · · ·							
TOTAL ACTIVITY DISCHARGED:	0 (zero)							
PART III: CERTIFICATION STATEMENTS								
Place your initials in the box under item A.								
Everyone must complete the information under items A & B and sign this report.								
CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS								
I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.								
B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION								
I certify under penalty of Law that this document a direction or supervision in accordance with a system properly gather and evaluate the information submit persons who manage the system, or those persons dit the information submitted is, to the best of my known and a supervision with the system of the system. I am aware that there are significant penalties for possibility of fine and imprisonment for knowing visual system.	em designed to assure that qualified personnel ted. Based on my inquiry of the person or rectly responsible for gathering the information, by							
Print/type name of signing official: Gary	L. Hall							
Title: Radiation Safety Officer RECEIVE (314) 652-4100, ext. 54								
Signature: GARY L. HALL 967465 Optionally signed by GARY L. HALL 967465 Optional Company, Indiana, Indiana, Indiana, Indiana, Indiana, Ind	1111 0 4 2047							
Contain Function Services	DIVISION OF radrpt.doc 2/00 ENVIRONMENTAL COMPLIANCE							

Analytical Report

Michael F. Stogsdill St. Louis VA Medical Center 915 N. Grand Ave. St. Louis, MO 63106 April 21, 2017

Work Order: 17D0430

RE:

VASTL John Cochran

Dear Michael F. Stogsdill:

Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,

Tim Witrzek Project Manager 847.967.6666

Approved for release: 4/21/2017 10:09:41AM

- 62

Approved by,

Matthew Gregory Technical Manager

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Detection and Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

RECEIVED

JUN 0 1 2017

Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 **F** 847.967.6735 www.emt.com 8100 N. Austin Avenue

Client Sample Results

Client:

St. Louis VA Medical Center

180

15

mg/L

Project:

Work Order:

VASTL John Cochran

17D0430

Biochemical Oxygen Demand

Client Sample ID: 001 Composite

04/19/17 08:17

B7D0491

MM7

Report Date: 04/21/2017

Collection Date: 04/13/2017 13:30

Matrix: Wastewater

Lab ID: 17D0430-01

EMT Reporting Date/Time Analyses Result Limit Qual Units Analyzed Batch Analyst Wet Chemistry Method: HACH 8000 **Chemical Oxygen Demand** 1350 20.0 mg/L 04/18/17 10:35 B7D0625 TB2 (COD) Method: SM2540D 04/17/17 11:15 Suspended Solids (Residue, 118 B7D0570 CP1 15.0 mg/L Non-filterable) Method: SM5210 B

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17D0430

Client Sample ID: 001 Grab

Report Date: 04/21/2017

Collection Date: 04/13/2017 13:25

Matrix: Wastewater

Lab ID: 17D0430-02

	EMT					
	Reporting			Date/Time		
Result	Limit	Qual L	Jnits	Analyzed	Batch	Analyst
0-B						
17.9		•	С	04/13/17 13:25	B7D0714	AR
0-H						
8.20	0.05	p	H Units	04/13/17 13:25	B7D0714	AR

4				·		
< 4.00	4.00	n	ng/L	04/19/17 09:38	B7D0621	DP1
Rev.1978 by	/ Aquacher	m				,
0.0707	0.0100	n	ng/L	04/18/17 13:15	B7D0613	KJ1
	Result 0-B	Result Limit 0-B 17.9 0-H 8.20 0.05 4 < 4.00 4.00 Rev.1978 by Aquache	Reporting Result Limit Qual L 0-B 17.9 0-H 8.20 0.05 p 4.400 4.00 n Rev.1978 by Aquachem	Reporting Result Limit Qual Units 0-B 17.9 °C 0-H 8.20 0.05 pH Units 4.00 4.00 mg/L Rev.1978 by Aquachem	Reporting Result Limit Qual Units Date/Time Analyzed 0-B 17.9 °C 04/13/17 13:25 0-H 8.20 0.05 pH Units 04/13/17 13:25 04/13/17 13:25 A < 4.00 4.00 mg/L 04/19/17 09:38 Rev.1978 by Aquachem	Result Limit Qual Units Date/Time Analyzed Batch

RECEIVED

JUN 0 1 2017

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17D0430

Commuca

Client Sample ID: 002 Composite

Report Date: 04/21/2017

Collection Date: 04/13/2017 13:40

Matrix: Wastewater Lab ID: 17D0430-03

Analyses	Result	EMT Reporting Limit	Qual	Units	Date/Time Analyzed	Batch	Analyst
Wet Chemistry							
Method: HA	CH 8000						
Chemical Oxygen Demand (COD)	402	10.0	I	mg/L	04/18/17 10:35	B7D0625	TB2
Method: SM	2540D						
Suspended Solids (Residue, Non-filterable)	94.0	15.0		mg/L	04/17/17 11:15	B7D0570	CP1
Method: SM	5210 B						
Biochemical Oxygen Demand	67	15		mg/L	04/19/17 08:17	B7D0491	MM7

8100 N. Austin Avenue

Morton Grove, IL 60053-3203

P 847.967.6666

800.246.0663

F 847.967.6735

www.emt.com

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17D0430

Client Sample ID: 002 Grab

Report Date: 04/21/2017

Collection Date: 04/13/2017 13:45

Matrix: Wastewater

Lab ID: 17D0430-04

EMT

Reporting Limit

Date/Time

Analyzed⁻

Batch Analyst

On Site Analysis

Method: SM2550-B

Temperature

рΗ

Analyses

19.1

Result

°C

Qual Units

04/13/17 13:45

B7D0714

Method: SM4500-H

7.90

pH Units

04/13/17 13:45

B7D0714 AR

Wet Chemistry

Method: E1664A

Oil and Grease (HEM)

5.56

4.00

mg/L

04/18/17 09:06

B7D0539

DP1

AR

Method: E420.1 Rev.1978 by Aquachem Phenolics, Total Recoverable

0.0405

0.0100

0.05

mg/L

04/18/17 13:15

B7D0613

KJ1

RECEIVED

JUN 0 1 2017

AG+32 oz amber glass AG+32 oz amber gáss, 1:1 H2SO4 tő PH <2,G+32 oz FOG, glass, 1:1 HCL to PH <2,NA=Nő cöntámér field testéd P≈16′oz HDPE. 1:1 H2SO4 to pH ≼2,P−32 oz HDPE,V≐44 mi VOA vial,1:1 HCl to pH <2.

Cort. Codes

Environmental Monitoring and Technologies, Inc.

CHAIN OF CUSTODY

Inc. Environmental Monitoring and Technologies, Inc. 8100 Austin Ave

Morton Grove IL, 60053-3203

Phone; 800-246-0663. Fax: 847-967-67-35

1700430

Lab Work Order Number

Page

Rush requests subject to lab Rush requests subject to additional charge. Requested Turn Around Expedited (days) Standard (days) OW, B,C, D OZA & C.D. 054 B.C.D Oue Date DYA. Tallo Preservative, Store at 4 C.2=Suffurto acid (H2SO4) pH.42, Store at 4 C,5=thydrochloric acid (HCI) pH <2; Store at 4 C (بہ ایہ TEMP ころ H-009PMS::8-099ZMS Ž COPSZWS Ξ. ന ń 4ACH 8000 9.70 .27 **研机**2 **6625** AG Date/Time merbapa yd 8761;veR 1,024 AG::2 A46gr 3 ŝ တ თ 4 Received By Received By ≷ 3 **§** Ş Project Description Date/Time Sampler Signature Tracking Number Project Number GRAB GRAB COMP COMP Project Name PO Number Shipped By Date/Time 15,40 시시시기 13. ^보(Matrix Codes: WW=Wastewate 也()()() 4 (1) (1) Sample Name of Fleid ID Cooler Numbers and Temperatures. (314) 372-69737 (314) 894-6557 001 Composite 002 Composite St. Louis VA Medical Center 001'Grab 002 Grab Michael F. Stogsdill 915 N. Grand Ave. elinquished By elinquished By MO, 63106 St. Louis State/Zlp

Page 14 of 23

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORMATION

Company Name: VA MEDICAL CENTER

Permit No: 1008545900 - 3

Effective Date: Feb 01, 2017

Expiration Date: Jan 31, 2022

Premise Address: 915 N. Grand Boulevard, St. Louis, MO 63106

Monitoring Period:

X(JAN-MAR)

□(APR-JUNE)

□(JULY-SEPT)

□(OCT-DEC)

Samples Collected By: En Vinconmental Monitoring

Analyses Performed By:

IOAL DECULTO OF CELEMONITORING

PART II: ANALYTICAL RESULTS OF SELF MONITORING								
MSD SAMPLE POINT REFERENCE NUMBERS	다	C	01	E	20.2		003	
DATÈS ON WHICH SAMPLES WERE COLLECTED.	. 🖒	2	12/17	2	12/17		NIA	ener L
TIMES AT WHICH SAMPLES WERE COLLECTED	¢	1	3:30	i	3:52		NIA	郑明 独 55
PARAMETER	LIMIT	REC	CORD SAMPLE T (G=grab, C=con	YPES nposite.	(G, C, M OR E) Al M=measured flow, E	ND RE	SULTS BELOW ated flow)	UNITS
FLOW		É	86,039	E	23,521	E	500	99L
801		C	187	C	8.3			mg/L
COD	<u> </u>	C	873	C	2770			mg/L
OIL and Grease T Total Phonols	200	G	21.4	6	26.6		,	mg/L
Total Phanols	21	G	0.0953	6	0.0731			mglL
TSS		<u></u>	175	ح	72.0			mg/L
PH	5.5-11.5	G	6.60	G	7.20			PHUNIS
Temp	60	G	17.1	G	13.9			OC
<i>y</i>								
					,			
					·			
						ļ		
					·			
					jeto:		~ 	h
					K	E	\cup \square $ $ \vee $ $ $ $	in the second

You must complete and sign the certification statements on the second page.

1 MAY 0.2 2017

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

A - No change in wastewater discharge at sampling points with no monitoring required

For permit special conditions that waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification for each report in which monitoring is waived:

point 003.

I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample

PART IV: GENERAL CERTIFICATION STATEMENTS

B. Certify Discharge Monitoring Report & attachments

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official:	5to550171	
Tille: Pipe Fitter Supervisor	Telephone:	314-289-6450
Signature: Michael Streshell	Date:	3/24/16

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name: VA - St. Louis Health Care	System
Permit No: 11140460-00	
Premise Address: 915 N. Grand Blvd, St. L	ouis, MO 63106
Reporting Period: (JAN-MAR) (AF	PR-JUNE) (JULY-SEPT) (OCT-DEC)
PART II: RECORD OF DISPOSAL OF RADIOACT	IVE MATERIALS TO THE SEWER SYSTEM
RADIONUCLIDE	ACMINITUM DISCURDED (WILLIAM
Any/All	ACTIVITY DISCHARGED (millicuries) 0 (zero)
	0 (2010)
· · · · · · · · · · · · · · · · · · ·	
TOTAL ACTIVITY DISCHARGED:	0 (zero)
PART III: CERTIFICATION STATEMENTS	
Place your initials in the box under item Everyone must complete the information un	A. der items A & B and sign this report.
A. CERTIFICATION OF COMPLIANCE WITH STA	ATE AND FEDERAL REGULATIONS
and 19 CSR Part 20-10.090 governing disposal	belief, all requirements of 10 CFR Part 20.2003 by release into sanitary sewage for material on and the Missouri Department of Fealth, respectively this report.
B. RADIOACTIVE MATERIALS DISCHARGE REPO	ORT CERTIFICATION MAY 0 2 2017
I certify under penalty of Law that this document direction or supervision in accordance with a syst properly gather and evaluate the information submipersons who manage the system, or those persons dithe information submitted is, to the best of my kn I am aware that there are significant penalties for possibility of fine and imprisonment for knowing v	em designed to assure that WIRTHIMENTAL GONDLANCE tted. Based on my inquiry of the person or rectly responsible for gathering the information, owledge and belief, true, accurate, and complete. I submitting false information, including the
Print/type name of signing official: Gary	L. Hall
Title: Radiation Safety Officer	те Reph.Cne I(1/4E 6 D -4100, ext. 54832
Opinibly signed by GARY L. B7405 1976 doping, doping on the GARY L. B7405 1976 doping, doping on the GARY L. B7405 1974	W(3 1 11 / /111/
(James, 2017,33,27 17,30,51 4000	radrpt.doc 2/00

DIVISION OF ENVIRONMENTAL COMPLIANCE



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

Client Sample Results

Client: Project:

Work Order:

St. Louis VA Medical Center

VASTL John Cochran

17B0122

Client Sample ID: 001 Composite

Report Date: 02/10/2017

Collection Date: 02/02/2017 13:35

Matrix: Wastewater

Lab ID: 17B0122-01

Analyses	Result	EMT Reporting Limit	Qual U	nits	Date/Time Analyzed	Batch	Analyst
Wet Chemistry							
Method: HACH	8000						
Chemical Oxygen Demand (COD)	873	20.0	m	g/L	02/08/17 10:50	B7B0254	TB2
Method: SM254	IOD						
Suspended Solids (Residue, Non-filterable)	175	15.0	m	g/L	02/06/17 10:30	B7B0171	CP1
Method: SM521	10 B						
Biochemical Oxygen Demand	181	15	m	g/L	02/09/17 07:34	B7B0144	MM7

RECEIVED

MAY 0 2 2017

DIVISION OF ENVIRONMENTAL COMPLIANCE



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 **F** 847.967.6735 www.emt.com

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17B0122

Client Sample ID: 001 Grab

Report Date: 02/10/2017

Collection Date: 02/02/2017 13:45

Matrix: Wastewater

Lab ID: 17B0122-02

Analyses	Result	EMT Reporting Limit (Qual Ur	nits	Date/Time Analyzed	Batch	Analyst
On Site Analysis							***************************************
Method: SM25	50-B				0		
Temperature	17.1		°C	:	02/02/17 13:45	B7B0336	AR
Method: SM45	ю-н						
рН	6.60	0.05	рH	l Units	02/02/17 13:45	B7B0336	AR
Wet Chemistry							
Method: E1664	4A '						
Oil and Grease (HEM)	21.4	4.00	m	g/L	02/07/17 07:00	B7B0147	sk2
Method: E420.	.1 Rev.1978 by	/ Aquachen	n				
Phenolics, Total Recoverable	0.0953	0.0100	m	g/L	02/06/17 12:52	B7B0165	KJ1
				·······	······································		



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17B0122

•

Client Sample ID: 002 Composite

Report Date: 02/10/2017

Collection Date: 02/02/2017 13:55

Matrix: Wastewater

Lab ID: 17B0122-03

Analyses	EMT Reporting Result Limit Qu		Qual Uni	s	Date/Time Analyzed		Analyst
Net Chemistry		Nooboo					
Method:	HACH 8000						
Chemical Oxygen Demand (COD)	2770	20.0	mg/	-	02/08/17 10:50	B7B0254	TB2
Method:	SM2540D						
Suspended Solids (Residue, Non-filterable)	72.0	15.0	mg/		02/06/17 10:30	B7B0171	CP1
Method:	SM5210 B						
Biochemical Oxygen Deman	nd 83	15	mg/	<u>-</u>	02/09/17 07:34	B7B0144	MM7

RECEIVED

MAY 0 2 2017

DIVISION OF ENVIRONMENTAL COMPLIANCE

8100 N. Austin Avenue Morton Grove, IL 60053-3203 **P** 847.967.6666

800.246.0663 F 847.967.6735 www.emt.com

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

17B0122

Client Sample ID: 002 Grab

Report Date: 02/10/2017

Collection Date: 02/02/2017 14:05

Matrix: Wastewater

Lab ID: 17B0122-04

Analyses	Result	EMT Reporting Limit Q	ual Units	Date/Time Analyzed	Batch Analyst
On Site Analysis	<u>, , , , , , , , , , , , , , , , , , , </u>	-			ACCORDING TO SECURITION OF THE PERSON OF THE
Method: SM25	50-B			·	
Temperature	13.9		°C	02/02/17 14:05 B	7B0336 AR
Method: SM45	i00-H				
pH	7.20	0.05	pH Units	02/02/17 14:05 B	7B0336 AR
Wet Chemistry					***************************************
Method: E1664	4A				
Oil and Grease (HEM)	26.6	4.00	mg/L	02/07/17 07:00 ´ B	7B0147 sk2
Method: E420.	1 Rev.1978 by	Aquachem			
Phenolics, Total Recoverable	0.0731	0.0100	mg/L	02/06/17 12:53 B	7B0165 KJ1

Rush requests subject to tab Rush requests subject to additional charge. . Requested Turn Around Standard (days). Expedited (days) OJABCD Due Date 1780122 TEMP = Lab Work Order Number Page GOO_0008 P::2 952 200C AG:1 4SO PHENOL AG::2 PER DE LE MARCE 4200 EIE DE LA NA Ξ. Phone; 800-246-0663 Fax: 847-967-67-35 .254.005.25 ä, MEH DOS 1991 CHAIN OF CUSTODY 6.5 Environmental Monitoring and Technologies, Inc §100 Austin Ave Š **§ %** 3 Project Description Tracking Number Sampler Signature Project Number COMP GRAB COMP GRAB Shipped By PO Number Morton Grove IL, 60053-3203 134 45. シンプ - E-2-1-1/2/2 Environmental Monitoring and Technologies, Inc. Fax Sample Name or Fleid ID (314) 372-6973 / (314) 894-6557 002 Composite 001 Composite St. Louis VA Medical Center 1001 Grab 002 Grab. Michael F. Stogsdill 915 N. Grand Ave. MO, 63106 Client Contact St. Louis.

State/Zip

*KG=32; oz amber gasis, AG=32 oz amber glass, 111 PGSO4 to pH <2,0=32 oz FOG; glass, 1.1 HCL to pH <2,NA=No container, field tested,P=16 oz HDPE; 113 H2SO4 to pH <2,P=32 oz HDPE,V=44 mLVOA vial, 3.1 HCl to pH <3

1=No Preservative. Store at 4.C.2=Sulfuric acid (H2SQ4) pH.<2; Store at 4.C.5=Hydrochloric acid (HC) pH <2; Store at 4.C.

Presery: Codes

Received By Q Received By Received By

Cooler Numbers and Temperatures

elinquished By

elinquished By-Inquished By

CLISTING 12

Cont. Codes:

Date/Time

RECEIVED

- DIVISION OF ENVIRONMENTAL COMPLIANCE

Page 14 of 23



ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

ClientAmbient We Sampler I.D.	. <u> </u>	Wind D-351/ Sampler Type 1744	Meter I.D	Departure Ti _ Meter Type	
Battery I.D.	(in		Battery I.D.	W. A. T. L. S. C.	
	terval		Reading Level	_ Actual Leve	
Multiplex	بېرى.	0 1 0 1 1 1 1 1 1	Total Flow	Magazin agazin kanapatan ar 🛒 🚃 🖂 🕬 ar	
Number of S	•	Sample Collected At			
me/Flow/S		(ICE/Ref:	Maximum Head Height		- #33%
install	Service	Pull	Sample Initiation	Sampler Sta	irt Time <u>1 231</u>
Bottle #	Volume	Description / Com	ments	<u>Comp</u> Sanita	
2,	North Control of the	reniisia esta esta esta esta esta esta esta est		ss 🚶	SS
3,	ewrumzwaniera woldt	ang Nganawa nagaré filimbahan Ju		Cloud	ly Cloudy
4.022003020000	PARENTE NEW TOTAL PROPERTY.	1		Clear	
5: ::::::::::::::::::::::::::::::::::::		9-11-3-1-14-4-		Miky	Milky
	ono dkominatina	www.phmm.mm.m.m.m.mm.mm.m.m.m.du.m.		Oil FX	No.
7, жимилики		illertrii till solletri ilvasin dest litaterobestis till qui turitation il		Foam	3/2
= 12.1 No.5, 1400, 270	The state of the s			Flock	<i>i</i> .
		જારામાં મુખ્ય કરાવા પાસ કરવા છે. જો માના માટે કરવા છે. જો માના મોટે કરવા છે. જો માના મોટે કરવા છે. જો મોટે કર જો માના માના માના માત્રા મ	หนึ่ง 2.55 ขาง รัฐคามีคา กราบหมานสี 18 กรุง รัฐคามีผม	Sedin	
10	CHICICADO DI POLONOSIO DE COLUMBIO	HOOSIIIN HENNAMIN TERMINIST PERMININGAN ACCOUNT COMA		Color Other	
12				Other	Other
13. **********	en andere en	ggsjoonstaat assamstell at gellets termination takk an	er trans and an area transmission and a	рН М	leter Calibration
14.				1	7.0 =
15	******************************	The second secon	was a see of the see o	•	0 =
16.	ven. o.: 1.0000000				10.0=
17.	ngagagasidhaasayagan aan		Samonsa albaning kanalah ang kanalah a	Grab	Time
18. ((()))		ta a kina ki ki maka ta kita ki		Grab	· .
19.			Carrier and Armon Conference by 20 Francisco (1924)		<i>:</i>
20.	mannan pantan ana pantan a	agsagna ann aine ann ann an a		Grab	Temp
21.	Double Company of the	45111100149914404499149181141114151114144444444444444444			
22. 371170.000	· è magractici (n. 6-53) nai:		Sornyi Para wing a Mining a Balang ang a Balang	Incon	ning Meters
1 ,1	4 45	and the state of t			
24.	N 17. 22.000				
,					
Client Mete	r Flow a	Sn - RC	N ACT		
	Z A A A		Data 2/1/	مستق	
Technician:	14/2	Signature	Date - freque	; * *	
Technician:		Signature	Date		Page 15 of 23

•		8100 N. AUSTIN AVENUE		847-967-6666	
		MORTON GROVE, IL 60053		fax 847-967-6735	
Client	John Cal	- VA	Outfall I.D. OU	, Date	2/2/17
Ambient W	leather 4500	Wind Os) Sh	Arrival Time 13.30	Departure Time/	350
Sampler I.I	D. 24	Sampler Type	, Meter I.D.	Meter Type	manufactification in the PPC confidence is to and upon the pro-
Battery I.D		And the second s	Battery I.D.		
Sampling I		<u> </u>	Reading Level	Actual Level	
Multiplex_		<u> </u>	Total Flow		
Number of	Samples 7	Sample Collected At 133	Primary Device		Amount of the second of the se
Time/Flow	/Storm	ICE/Ref:	Maximum Head Height		
Install	Service	Pulb	Sample Initiation	Sampler Start Time	
Bottle #	Volume	Description / Comr	ments	Composite	<u>Grab</u>
1.300000			aring Income majeri manana manana	≤ Sanitary	Sanitary
2. (mg) (p) (p)	maninina mining	= 10/1	Zaman film fijan manan manan m	a SS	SS
3	en e	TON YOU		Cloudy	Cloudy
4. <u></u>	***************************************			Clear	Clear
5. processor				· Milky	Milky
6, <i>че</i> льных	destructions de la constitution de	Time Organization	CIDMARINA (VIA AFRANCA DIA ASSAULT	oil Film	Oil Film
		10 cm 0 1	nieterationen er eine er eine er eine er eine er eine eine	* Foamy	Foamy
8. /**********	wikanian wana jakajin			Flock	Flock
9	anavaramaran anaran ka		ritaria matemateria de la compaño de la c La compaño de la compaño d	Sediment	Sediment
11. ***********************************	,			Colory	Color h
17	16	B' Du K		• Other	Other
13	galgageriga er gerinde forsynten. Kontroller i Franker og bereket byene.	n Charleston and the Control of the	The state of the s	pH Meter ©	allbration
14.	aranta waa ah aa ah ka araw xwee			7.0 ≑	2041 1.41
		i gan sed aggin lifer ou region that a sea seas and a substitute and a sea seas.		4.0 =	4,4
				(10, a
17. samuezan	Laidhlannallanasann		nagaanaanaan		11 5 4 7 4
18.	falifilia salinnali bromava armasidas kas	เลาการแบบแบบ การกร่างกับกับการกับการเกิดการกระบบกับกับการกับก็เก็บกับก	Arainanii markanakii ka		5.6
					12.1
20.	The Company of the Co	ALL STALL OF CURTOTTE STATE OF THE STATE OF	Timo de hidentelija värendire pääre edrettele apet (edrette	Grab liemp	
		Maria da Angla de 204 (Britis Propinsion de la Composition del Composition de la Com			
		######################################		. Incoming M	eters
				į	
24	Danimin dan dan dan dan dan dan dan dan dan da	กระเทย เกราะเกราะ (การเกาะในสาใจเกรียก (การเกาะในสาใจเกราะการเกาะในสาใจเกาะในสาใจเกาะในสาใจเกาะในสาใจเกาะในสาใ		REC	EIVEC
Oliman Maria		- 65	ACTI	MAY (0 2 2017

Client Meter

Signature.

Technician

Technician

ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC.

Page 16 of 23

DIVISION OF ENVIRONMENTAL COMPLIANCE

	Y	1
5		
	. 魔,	•

	j. j.	
Client IN Color VA	Outfall I.D. Date 2/2/19	2
	Arrival Time /3 // Departure Time /3 //	
	Meter I.D. Meter Type	
Battery I.D.	Battery I.D.	
Sampling Interval	Reading LevelActual Level	-
Multiplex Cull	Total Flow	
Number of Samples Sample Collected At	Primary Device	
Time/Flow/Storm (ICE/Ref	Maximum Head Height	
install Service Pull	Sample Initiation Sampler Start Time	ڼ
Bottle # Volume Description / Com	ments <u>Composite</u> <u>Grab</u>	
1		,
2	SS SS	
3 - 55-56 - 155-55 - 155-156 - 155-156 - 156-15	Cloudy Cloudy	
4	Clear Clear	
5	Milky Milky	
6	Oil Film Oil Film	
$7_{ m c}$ and a manifest the contraction of the c	Foamy Foamy	
8	Flock	
9. Sold Mark Company and Compa	Sediment Sediment	nt
10 синдужником записности однисте подоската на пред сектори записности на пред сектори записности на пред сектори за пред сект	Color Color	
11. жизна на применения при применения на пр	Other Other	
12.	pH Meter Calibration	
13, чалентична и поти и	7.0 =	
14,	MOD :-	
15. при		
16. сыным этимперт вымонениямиямиямиямиямиямиямиямиямиямиямиямиями	MV.	
17		51
19	Grap pre	5
20	Grab Temp	
21.		
22.		
23		
24. 2000.000	naan maanan maanaan ah maanaan ah maanaa	
	· ·	
Client Meter Flow	DLACTL	
Technician Signature Signature	Date 2/1/1/2—	
TechnicianSignature	Date	
	Page 1/ of 2	



ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

Sampler I. Battery I.D Sampling I Multiplex_	Interval 27		Outfall I.D. Do? Arrival Time 13.5 Meter I.D. Battery I.D. Reading Level Total Flow Primary Device Maximum Head Height Sample Initiation		91.20
Bottle #	Volume	Description / Com	ments	Composite	Grab
2				Sanitary SS Cloudy Clear Milky Oil Film Foamy Flock Sediment Color 72 Other PH Meter Ca 7.0 = 4.0 = 10.0 = Grab Time Grab pH Grab Temp	70
		ĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ		Incoming Me	eters
		Millus Paton dukuu uu oo gaa ta un aada ka aa aa aa aa a		REC	EIVED
				MAY	0 2 2017
Client Met	11111	-8n RD	ACTL	_ DIVIS	SION OF
Technician		Signature	Date 2/2//	ENVIRONMEN ,	ITAL COMPLIANC
Technician	The second secon	Signatu <u>re</u>	Date		Page 18 of 23

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL FACILITY <u>INSPECTION</u> REPORT

Compa	ny: VA Medical Center		A	ccount #:	1008545900)
Premise	Address: 915 N Grand Blvd		Zi	p Code: 🐪 _	63106	
MSD Cla	asses: SIU 🛛 Non-Significant CIU 🗌	CIU S	Surcharge 🔲	Non-Toxio	Process Wa	ter/Wastes 🗌
	Toxics-Bearing Waste 🔀 No Process D	ischarge 🔲	Multi-Use	r 🔲 🤺	Special Hand	dling/Billing 🗌
Compa	ny Representative: Mike Stogsdill					
Title:	Pipe Shop Supervisor	-	Phor	ne#: <u>31</u> 4	1-289-6450	
Inspect	or: Jenn Pipas	•				
Others	Present: <u>None</u>					
Inspect	ion Date: 2/28/17 Time: From 11:00	DAM To 1	.2:00PM	(Last In	sp. <u>2/23</u>	<u>3/16</u>)
	L ITEMS ARE TO BE COMPLETED BASED ON EVENTS SINCE ROVIDED BY COMPANY DURING INSPECTION, AS WELL AS IN			E BASED ON	INFORMATIO	N OBTAINED OR
	*** DATABASE ALSO UPDATED WITH APPRO	PRIATE CHAN	IGES - see attache	d database	reports ***	
1.	A. ARE THERE ADDITIONAL NON-STORMWATER ACC	COUNT NUM	BERS?			Yes⊠ No□
	 List them, note any changes: 1030797900 B. Were any changes (including to the primary or changes) 	nangos only +	a suffixed for acet	no'c with D	Eco NIAE	Yes No⊠
	B. Were any changes (including to the primary or chC. If yes to B, was Cost Recovery Unit informed of th			110 S WILLI KI		Yes No
:	D. Did all acct no's have water usage on PIMS?	ne change(s):			IAVE	Yes⊠ No□
;	E. If no to D, explain:					1632 140
					•	
2. PI	ROCESSES & CLEANUP/WASHDOWN:	Cont/	Water/Liquids	DISCHARGI	E Frequency	
	,	Batch?	Used?	(or how els	e disposed?	Sample pt.
H	ospital Waste	Cont	Yes	Daily		001, 002
Ki	tchen Waste	Batch	Yes	Daily		001
La	ab Waste - Diagnostics Lab	Batch	Yes	Daily		001, 002
Α	utoclaves	Batch	Yes	Daily		001
		(None)	N/A			
		(None)	N/A		r**	
-						Campala mt
3.	PRETREATMENT (other than grease traps) - describe:			есосионеностинения и поставляющий поставляющий и поставляющий и поставляющий и поставляющий и поставляющий и п	***************************************	Sample pt.
-	pH adjustment					001, 002
-			LIFT LIFT CO. N			
L				•		
4. If yes:	DOES COMPANY HAVE ANY GREASE TRAPS? A. List sample points: 001					Yes⊠ No□
	B. What is the frequency for cleaning & maintenance	ce? <u>Semi-</u>	<u>annually</u>		,	
	C. Are any additives used in traps?					Yes No
	D. If yes to C, was company warned MSD will bill them fo					Yes⊠ No□
	E. Was company informed that MSD performs separate g	grease trap ins	pections?			Yes⊠ No□
5.	HAS COMPANY CONSTRUCTED NEW BLDGS/ADDITION	S WITH SEW	ERS SINCE LAST IN	SPECTION?		Yes□ No⊠
If yes:	A. Ask company: Did they notify MSD's Plan Review			•	Unknown] Yes No [
	B. If no or unknown, has inspector notified Plan Rev					Yes No
	C. Comments:					
	·					

Inspection report

6.	HAS	COMPANY BEGUN DISCHARGING ANY NEW POLLUTANTS SINCE THE LAST INSPECTION?	Yes□ No⊠
If yes:		List pollutants & process:	V
		Will MSD STP exceed existing NPDES discharge limit(s)?	Yes No
	C.	Will MSD STP's discharge exceed 0.1 mg/l for any new pollutant?	Yes No
		(MSD must notify MDNR if B or C is yes and discharge will continue [40CFR122.42(b)].)	
	D.	Comments:	
7.	ARE	THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS THAT ARE "NOT APPLICABLE"?	Yes⊠ No□
	(inch	uding those that are 'No PSES' and 'General Stds Only')	
If yes:		List regulation & describe operations (including any discharge):	
•		40 CFR 460 N/A - Hospital waste & patient care services	
	В.	Explain why it is N/A: The subpart has not been promulgated	
8.	ΔRF	THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS SUBJECT TO DISCHARGE LIMITS?	Yes□ No⊠
If yes:		List regulation & describe operations (including any discharge):	
ii yes.	,	List regulation at accounts of the second of	
	В.	Is maximum daily categorical discharge ≤ 100 GPD? (includes batch discharges)	Yes No
If yes to	B;	C. Batch or Continuous? Volume verified how?	, , , , , , , , , , , , , , , , , , ,
•		D. Does company ever discharge untreated, concentrated categorical wastewater?	Yes No
		E. Was company in SNC during any part of the previous 24 months?	Yes No
		F. Date of last NSCIU Certification Statement: or not currently NSCIU	
		(If no to B, yes to D or E, or Cert. Statement not submitted as required, company is not eligible to be	e an NSCIU)
9.	ПΛС	COMPANY CERTIFIED TO THE ABSENCE OF SPECIFIC CATEGORICAL POLLUTANTS?	Yes□ No⊠
Э.		v certification also is required for each permit renewal)	
If yes:		Certification date:	
ii yes.		Pollutants accepted by MSD as absent:	
	C.	Were any requested "absent" pollutants rejected by MSD?	Yes No
	If v	es to C: D. List them and explain why:	
	Ε.	Were all the accepted pollutants non-detect in all monitoring since certification was approved?	Yes No
		(If compared to intake water levels, explain details below)	
	lfn	o to E: F. Explain:	
		G. Does Wastewater Discharge Permit need to be updated to remove detected pollutants?	Yes No
	Н.	Comments:	
10.	DOF	S CATEGORICAL WASTEWATER COMBINE WITH NON-CATEGORICAL WW PRIOR TO SAMPLING?	Yes□ No⊠
If yes:		At which points?	
,, 231	В.	ls it correct?	Yes No
	C.	If no, list correct factor/explain?	
			v
11.	IS A	NY WASTEWATER SUBJECT TO PRODUCTION 🗌 OR MASS 🗍 BASED STANDARDS?	Yes□ No⊠
If yes:	A.		Yes No.
	В.	Since calculation of the current limits, has the long term avg production rate or discharge volume	TES NO
	_	changed by 20% or more?	
	C.	If yes to B, explain:	
12.	ARE	ANY RADIOACTIVE MATERIALS HANDLED?	Yes⊠ No□
If yes:		Describe operations & disposal: Radioisotopes used for diagnostic & medicinal purposes via i	njections; any
, ==		radioactive material is not disposed to the sewer	
	В.	If Holl-exempt at disposed to sever, does company committee and the first	☐ Yes⊠ No☐
		(If No to B, write company & require quarterly reports of discharge to sewer – or have permit revised as	needed)
	C.		Vac Nata
	D.	Is company in compliance with requirements of sewer use ordinance prohibition?	Yes⊠ No□

13. If yes:	DOES COMPANY G A. Does compar				ENETIC ENGINEERING RESEARCH? is?	Yes□ No⊠ Yes□ No□
,	B. If yes, describ		,			765
	C. Does compar	y have MSD autl	horization for	disposal	to sewer?	\ Yes No
	D. Most recent a	uthorization dat	e:			
14:	DOES PROCESS or F	ee washdowi	N WATER USE	APPEAR	EXCESSIVE?	Yes□ No⊠
	(IS COMPANY USIN				•	,
	A. Explain how u					
					er usage for this type of facility (patient care serv ruse was observed during inspection.	ices, lab services,
	dictary, coom	ig towers & bon	ci., ivo exees	SIVC WALC	r use was observed during inspection.	
15.	BASED ON OBSERV	· ·	INSPECTION	, DOES CO	DMPANY APPEAR TO HAVE SOME WATER THAT IS	Yes⊠ No□
If yes:		Evaporative loss	from boiler 8	k CT	•	
•		Factor Program"			npany?	Yes⊠ No□
	(regardless of	whether some v	water is not d	ischarged	d to sewer)	
16.	HAS COMPANY BEE	EN GRANTED A V	ARIANCE FRO	M DISCH	ARGE LIMITATIONS CONTAINED IN THE SEWER	Yes□ No⊠
	USE ORDINANCE?					
If yes:	A. Pollutant(s) <u>a</u>		:-			
	B. Latest approve C. Is the approve		 hthan 5 years	- old2		Yes No
	lifus to Ca	new variance mu			te company)	163 NO
	(II yes to c, a					
17.				IED TO CO	OMPANY, IN ADDITION TO THOSE ALREADY	Yes□ No⊠
	CONTAINED IN THE					
If yes:	A. Pollutant(s) a				ahawa2 🗆	
	B. Date originally	y applied:	or as par	t or variar	nce above?	
18.	HAS COMPANY EXC	EEDED ORDINAN	NCE DISCHAR	GE LIMITS	S SINCE LAST INSPECTION	Yes No⊠
	OR WITHIN THE LAS	ST 12 MONTHS (i	f last insp <1	2 months	ago)?	
If yes:	A.		Sample	•	lem resolved?	,
	Pollutant	When	Points	Y/N	Describe	
				N/A	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	
				N/A N/A	· · · · · · · · · · · · · · · · · · ·	
,	7	· ·		N/A N/A		
				N/A		
	B. Comments:			1,	J	
			•			
19.	HAS COMPANY EXC	EEDED CATEGOR	RICAL PRETRE	ATMENT	LIMITS SINCE THE LAST NA	\⊠ Yes□ No□
	INSPECTION OR WI	THIN LAST 12 M			-	
If yes:	A	14/h o n	Sample Points	Is prob	lem resolved? Describe	
	Pollutant	When	Points	N/A	Describe	· }
	<u></u>	-		N/A N/A		
				N/A		
				N/A		
		·	,	N/A		
	B. Comments:					
	HAVE THESE SEED	A NIV DD 0 0 1 5 1 1 0	ICCLIADOCC O	INICELAC	T INCRECTIONS	Vas Na N
20. If yes:	A. Upsets?		es of pretrea			Yes∐ No⊠
ii yes.	Spills?		scharges?		Other?	
	B. Explain any m					
	, ,					
	n renort					

inspection report

(06/28/2016)

21.		ILD SPILLS OR LEAKS OF ANY PROCESS TANKS, OR STORAGE TANKS, OR STORED WASTES, OR STORED Yes No MICALS EASILY REACH SANITARY SEWERS OR STORM DRAINS?	o⊠
If yes:		What needs to be done?	
11 ycs.	,	What heeds to be done.	
If no:	В.	How are they controlled?	
		Hazardous waste is stored in a separate room with no floor drains and is contained. Lab waste & reagents are store	<u>d in</u>
		lab on shelves until hauled; there are no floor drains.	
		S COMPANY HAVE ANY NPDES PERMITS?	
22.			الكان
If yes:	Α.	Receiving stream: Does it have a MDNR general permit for stormwater discharges from industrial activities? Yes N	οΠ
	ъ.	If yes to B: Permit #: MO-R	
	C.	Does it have a MDNR general permit for wastewater discharges? Yes N	o[]
		If yes to C: Permit #: MO-G Permitted activity:	
	D.	Does it have a MDNR site specific permit for wastewater discharges? Yes N	o 🗌
		If yes to D: Permit #: MO0	
		Outfall Description Vol (GPD) Components	
		<u>'</u>	
	_		
	Ε.	Comments:	
23.	RASI	ED ON OBSERVATIONS DURING INSPECTION, ARE THERE ANY AREAS WHERE COMPANY ACTIVITIES Yes N	οØ
23.		EAR TO IMPAIR STORMWATER RUNOFF?	
If yes:		Describe:	
,	В.	What needs to be done?	
	C.		o
		(regardless of whether there are any problem areas)	
24	חחר	S COMPANY HAVE ANY <u>WRITTEN</u> SLUG DISCHARGE CONTROL (INCLUDES SPILLS) PLANS [40CFR403.8(f)(2)(vi)]? Yes N	ا ه
24. If yes:	A.	Title (actual title, NOT "SPCCP") Last Update	
ii yes.	7.	1. Hazardous Material/Spill Emergency 3/6/12	
		2.	
	В.	Were Plans reviewed for completeness, especially regarding batch discharges/slugs and Q.19/20/21? Yes N	• <u> </u>
		(must be done)	
	C.	Are updates needed to existing Plans? (<u>If yes, write company & require</u>) Yes N	
	D.	Are any Plans needed (either in addition to those listed in Part A, or if there currently are no written Yes N	oK
		control plans)? (If yes, write company & require)	·i a a
	Ε.	Explain why/why not for C or D: Plan includes emergency response procedures, emergency notification informat and collection and disposal procedures. Contact said they are currently in the	.1011,
		process of updating the plan.	
		process of aparting the plan.	
25.	DOF	S COMPANY HAVE ANY MAINTENANCE SHOP PARTS WASHERS? Yes N	o⊠
If yes:	Α.	Parts washer solvent name:	
	В.	Priority pollutants (or "none"):	
	C.	How is spent solvent disposed?	rans)
		(These solvents are not included in database's priority pollutants list, nor monitored for unless conditions show potential discharges are not included in database's priority pollutants list, nor monitored for unless conditions show potential discharges.	(ges)

26.	ARE ANY ORGANICS OR SOLVE	NTS USED (OTHER THAN IN PA	RTS WASI	HERS)?	,	Yes⊠ No
If yes:	A. Solvent name/			133/469		Priority
,	components	Used for?	Proce	ess?	How disposed?	Pollutant?
	Phenol	Sanitation agent	Yes	No⊠	Evaporates	Yes⊠ No□
	Toluene	Lab reagent	Yes] No 🛛	Hauled	Yes⊠ No□
	Alcohols, Xylene	Lab reagent	Yes	No⊠	Evaporates or hauled	Yes No⊠
			Yes	No 🗌		Yes No
	A		Yes	No	·	Yes No
:	1,77		Yes	No		Yes No
27.	DOES COMPANY HAVE A 413/4 (Applies if co. has 413/433/469	processes, whether or not so				Yes
If yes:	A. Is it part of a Spill/Slug Co				163[1
	B. If no to A, date of last upo	I/Slug Plan or SMP in the files?	,		•	Yes No
		3/433/469 solvents? (or verify		٦١		Yes No
		npany and require submittal a				
	(II NO to C or D, write con	ipany and require submitted of				
28.	ARE EMERGENCY NOTIFICATIO	N PROCEDURES POSTED THAT	INCLUDE	MSD CONT	ACTS?	Yes□ No⊠
	A. Was company provided r	otification cards & told to pos	t where e	mergency r	esponse personnel can	Yes⊠ No□
	locate them?				,	
	(Must post if company ge	enerates process wastewater c	or stores c	hemicals of	concern)	
29.	IS COMPANY REQUIRED TO SEL				· ·	Yes⊠ No□
If yes:	A. Is requirement contained		cument L	_].		
	B. If other document, date 8					
	C. How frequently is sampli					
	D. How frequently are repo			_		V121 N-12
		ne, complete & signed by prop	er persor	1?		Yes⊠ No□
	F. If no, explain:				1	•
		NO ITC MARCTEMATED DICCHAR	CES			Yes⊠ No□
30.	DOES COMPANY SELF-MONITO			2		Yes⊠ No□
If yes:		me period match co's product	.1011 3111113	:		Yes⊠ No□
		R 136 wastewater test method	ls ušad?			Yes⊠ No□
		pH and/or temperature itself?				Yes□ No⊠
		ny show equipment and proced		ers calibra:	tion stds. etc.).	
		performed properly?			,	Yes No
	F. If no to A,B,C, or E,	periormed property.				
	explain needed changes:					•
	CAPIGNA AND COLOR					
31.	DOES COMPANY CONTINUOUS	SLY MONITOR AT SAMPLE POI	NT AND			Yes□ No⊠
	KEEP A PERMANENT RECORD I					
If yes:	A. At which SPs?		ü			paran.
•	B. Are discharge limits in Pl	MS "alert only"? (If not, chang	ge to that	& make no	te:)	Yes No
	Ç. Does company submit qu	uarterly summaries?				Yes No
	D If no explain:					

32. If yes:	DOES MSD SPLIT SAMPLES WITH THE COMPANY? A. Is company having the samples analyzed B. How does company insure proper preservation, holding times & analytical methods?	Yes□ No⊠ Yes□ No□
	C. Has company submitted results of all split sample analyses since the last insp? D. Have results been submitted within 28 days of the collection's calendar quarter? E. If no to C, or D, explain:	Yes No No No
	F. Does company still want to split samples? G. Comments:	Yes No
33. If yes:	IS COMPANY REQUIRED TO REGULARLY SUBMIT ANY REPORTS OTHER THAN SELF-MONITORING REPORTS? A. Is requirement contained in permit or other document . B. If other document, date & description:	Yes⊠ No□
``	C. What is required to be reported? D. How frequently are reports required? E. Have reports been on-time, complete & signed by proper person? F. If no, explain: C. Radiation Discharge Report Quarterly E. Have reports been on-time, complete & signed by proper person?	Yes⊠ No□
34.	IS COMPANY UNDER <u>ANY</u> ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS TO SUBMIT COMPLIANCE SCHEDULE REPORTS?	Yes No No
If yes:	A. Type and date: B. Have the reports & actions been on-time & complete? C. If no, explain:	Yes No
35.	ASK COMPANY: IS COMPANY IN COMPLIANCE W/APPLICABLE NESHAP REGULATIONS FOR WW DISCHARGES? [To see if 40CFR63 applies to MSD plant, per §§63.1580(b) & 63.1582(a). Some MDNR-issued Title V air permits for specific processes allow pre-approved WW discharge. City/County-issued air permits are not NESHAP permits.]	Yes No
If no:	A. Describe: B. Was MDNR Air Pollution Control informed? (<u>must be done</u>)	Yes No
36.	DOES COMPANY RETAIN ALL WASTEWATER RECORDS FOR AT LEAST 5 YEARS?	Yes⊠ No□
If no: C.	A. How long does company retain records? B. Was company told to retain for at least 5 years, per ordinance? Where are they kept? In contact's office	Yes⊠ No□
37. If yes:	IS COMPANY CLASSIFIED AS A SIGNIFICANT INDUSTRIAL USER (SIU)? A. Check & explain applicable criteria: Process subject to categorical stds under 40 CFR 403.6. Which cat. stds? Process discharge => 25,000 GPD Total process volume: ~56,000 GPD Process discharge => 5% of TP ADW hydraulic capacity TP ADW hydraulic capacity: Percent Which organic pollutant? Reasonable potential for adverse effect on operations Why?	
	Reasonable potential for violating PT std or req't Which ones & why? B. Does company own its bldg (is it listed as the owner in E-CIS)? If no: C. What is Bldg owner name (use DBA if avail.)? (check E-CIS CAPS Customer Info) D: What is Bldg owner mailing address? (check E-CIS CAPS Customer Info)	Yes⊠ No□
38. If yes:	DO MSD CLASSIFICATIONS NEED TO BE REVISED? A. Indicate correct classifications:	Yes□ No⊠
ii yes.	SIU Non-Significant CIU CIU Surcharge Non-Toxic Process Water Toxics-Bearing Waste No Process Discharge Multi-User Special Handling B. Explain changes:	

39.	IS COMP	ANY CLA	SSIFIED AS "N	Iulti-User"?			Yes	No⊠
If yes:			_	gregated from oth			Yes	
				any own the bldg/] No
		-			responsible for	total discharge, or else must provid		No
	•		sample points	or s/P&E Wash-type v	wastes discharges	12	-	No
			•	completely innoc	_	4:	****	No 🗌
	L. 11 y			y/why not:)	adas.	•		
	F. If y	•			pt responsibility of	or provide segregated SP.		
				Or write con		ement 🗌	_	
				limits "alert only"	on PIMS?		Yes_	No 🗌
	H. Co	mments:					•	
40.	IS COME)	CCIEIED AC "C	pecial Handling/Bil	ling"?		Yes	No⊠
If yes:	A. Wh		3311 ICD A3 31	Jeciai Handiing/ Dii	в :			
,		-	nges needed	to reasons/details?	?		Yes_] No
	C. If y	es, expla	in:					 ,,
	D. We	ere comp	any records re	eviewed & verified	for special handl	ing/billing reports?	NA Yes	_ No
4.1	CANADIE	DOINTC				Δ.,,	to-sampler	DJ .
41.	SAMPLE	POINTS				, Au	ready?	(y/n)
ĺ	SP#	001	Fed.Reg.		Components:	Hospital Waste + Kitchen Waste		No
	31 11	001	, ca.r.eg.			Cooling Tower Blowdown + Boile		
						Blowdown + Regen/Reject water	+	
						NCCW (Autoclaves) + Sanitary + La	b	
						Waste + Storm		
	SP#	002	Fed.Reg.		Components:	Hospital Waste + Cooling Town		No
				,		Blowdown + Lab Waste + Sanitary Storm	+	
	SP#	003	Fed.Reg.		Components:	Sanitary + Storm	Yes	No
	SP #	003	Fed.Reg.		Components:	· ·	N/A	N/A
	SP#		Fed.Reg.	,	Components:		N/A	N/A
						-		
42.			POINTS TRAF	PED VENTS?			Yes	No⊠
If yes:	A. Lis	_			ويطنياه المخامسة الس		Vac] No∏
	B. Wa	as co. into	ormed that 1-1	vents are preferred	a, and told why?		163	
43.	ARE DISC	CHARGES	AT ANY SPs S	MALL/IRREGULAR	ENOUGH TO ALL	OW GRAB SAMPLES?	Yes	No□
If yes:				003 due to low & ir				
					•	·		J., 52
44.			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	SCHARGES? (list e	each lateral separ	ately)	Yes_	No⊠
	Dummy			mponents:			<u></u>	
ا ، ر	Dummy			mponents:	and in the first	re if the discharges change?	Voc	No
If yes:		•	•	rges very low flow			****	No
			xplain:	ges very low how	and, or minocada.			
				y and require insta	llation of SP)			
		•			•		K	a 🗀
45.					oummy SPs) RECE	IVE STORMWATER?	Yes	No□
If yes:	A. Lis	t Sample	Points: <u>00:</u>	<u>1, 002, & 003</u>	/	•		
46.	WERE Δ	II SAMP	LE POINTS (ex	cept Dummy SPs) (OPENED & INSPE	TED? No.	SPs Yes	⊠ No∏
40.				ed or opened, explain				
	B. If ar	ny SP des	cript's need to	be changed, expl	ain:		_	
	C. Is it	possible	to use an auto	o-sampler to collec	ct samples (regard	dless of volume or batches)?	Yes	⊠ No□
			indicator as r				۷۵۶۲	No⊠
		s ANY gre	ease or other r	oroblem/debris ob	served in any SP?		rest	
Inspection	on report				7		(06/28/2016	6)

		If yes to C, list SPs & describe: If yes to C, was company directed to take corrective actions?		Yes No
47.	A. 19	N THE SAMPLE POINT MAP! s the map correct and accurate in <u>all</u> its details? f no, what changes are needed:	Last map revision date:	<u>2/23/16</u> Yes⊠ No∏
48. If yes:		STRUCTIONS FOR "Contact Prior to Sampling" or FIELD VISIT "Specist needed changes:	cial Instructions" NEED REVISION?	Yes□ No⊠
This fa	cility is a	FOR ANY OTHER COMMENTS/OBSERVATIONS PERTINENT TO YOUR medical center which includes: clinic, rehab, a life center, and lawe been no changes since the last inspection.		otial. All imaging is

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME

Report No. PIMS012A

Data Date & Time:

04/10/2017

04/10/2017

10:57:21 am

10:57:21 am

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

INDUSTRIAL USER CLASSIFICATIONS WUNNENBERG INFO. SIU CRITERIA 03/06/1997 SIU Base Map 19F2 PR25 Process Disch => 25,000 GPD 03/06/1997 TOX Wun:St. Louis City & Co. Grid: G 19 Page 27 INSPECTION INFORMATION IUQ INFORMATION | GENERAL INFORMATION PERMIT INFORMATION Office Mailing Address Issue Date: 02/01/2017 IUQ Recvd Date: 08/14/2001 Next Due 915 N. Grand Boulevard Expire Date: 01/31/2022 Reviewer: Fabian Grabski Insp Rslt St. Louis, MO. 63106 **Extended Date:** IUQ Recvd Date: 09/19/2006 02/28/2017 RIN Jenn Pipas **Billing Address** Writer Reviewer: Fabian Grabski 915 N. Grand Blvd. IUQ Recvd Date: 09/07/2011 St. Louis, MO. 63106 Reviewer: David Kupke IUQ Recvd Date: 09/19/2016 Reviewer: Jenn Pipas CONTACTS BILL Keith Repko Service Chief/Engineering OFF (314) 289-6438 Ext. **OFF** FLD1 Mike Stogsdill Pipe Shop Supervisor (314) 289-6450 Ext. **CELL** (314) 858-0269 Ext. Mike Stogsdill Pipe Shop Supervisor FLD2 Darren Reeves General Maintenance Foreman OFF (314) 824-8113 Ext. FLD3 Fabian Grabski Acting Associate Director SWR (314) 845-5032 Ext. OFF Fabian Grabski Acting Associate Director (314) 289-6423 Ext. Fabian Grabski Acting Associate Director FAX (314) 289-7045 Ext. Fabian Grabski Acting Associate Director CELL (314) 265-4780 Ext. OFF (314) 289-6450 Ext. OFF1 Mike Stogsdill Pipe Shop Superviosr OFF3 Fabian Grabski Acting Associate Director OFF (314) 289-6423 Ext. Fabian Grabski Acting Associate Director FAX (314) 289-7045 Ext. (314) 265-4780 Ext. CELL Fabian Grabski Acting Associate Director Fabian Grabski Acting Associate Director **SWR** (314) 845-5032 Ext. **OPERATIONAL INFORMATION** OTHER AGENCIES INFORMATION 12/02/1996 EPA - Hazardous Waste Program MOD93060090030 S T W T F S Work Days: Μ 24-00144-05 01/29/1997 Nuclear Regulatory Commission 12:00AM Υ 8.0 Y Y Y Υ 1 150 Y 004272 01/17/1999 MDNR - Hazardous Waste Program 750 08:00AM 8.0 Y Y Y Y Υ 2 00086730 06/21/2006 MSD - Billing Account Number 300 04:00PM Υ 3 8.0 01045821 05/02/2016 MSD - Billing Account Number Total Emp: 1,200 Hrs: 24 0 ON-SEWERED WASTE On-Site Disposal N Off-Site Disposal On-Site Storage GPY 09/07/2011 Organic Compounds 15 **GPY** 09/07/2011 Solvents/Thinners 50 09/07/2011 Radioactive Waste <10 **GPY** 09/07/2011 Kitchen/Food Service 100 **GPY** Equipment Oils and/or 50 **GPY** 09/07/2011 09/07/2011 Acids and/or Alkalies 10 GPY 09/07/2011 Infectious Waste 120000 LB/YR M M $\bar{\mathbf{T}}$ SIC INFORMATION. RAW MATERIALS MATERIAL_DESCRIPTION QUANTITY UNIT SIC DESCRIPTION EFF DATE 8062 General Medical & Surgical Hospitals

MSD 042968

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME PRIMARY MSD ACCOUNT NO.

VA MEDICAL CENTER

1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

PRODUCTS

EFF DATE DESCRIPTION

05/07/2004 General hospital services

UNIT

AVG_PROD MAX_PROD

SEWER ACCOUNTS Sewer Accounts 1008545900 1030797900

Start Date = 04/10/2016 End Date =	04/10/	2017	Wdavs	Cdavs		1
Acct. No.	Co	nsumption			Disc	charge
1008545900	CCF's	Gallons			Gal/ Wdav	Gal/ Cdav
1008545900 03/01/2016 05/25/2016	10,111	10,111	A 86	86	86	
1008545900 05/26/2016 08/24/2016	11,817	21,928	91	91	177	
1008545900 08/25/2016 11/22/2016	8,643	30,571	- 90	90	267	
RF 0.66 Acct. Total	30,571 CCF's	22,868,698 Gallons		267	267 56,529 Gal/ Wdav	56,529 Gal/ Cdav
1030797900 02/18/2016 05/16/2016	13	13	A 89	89	89 .	
1030797900 05/17/2016 08/15/2016	12	25	91	91	180	
1030797900 08/16/2016 11/22/2016	17	42	99	99	279	
RF 1.00 Acct. Total Facility Total	42 30,613	31,418		279	279 113	113

Report No. PIMS012A Data Date & Time:

04/10/2017

04/10/2017

10:57:21 am

10:57:21 am

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

CONNECTION and SAMPLE POINT INFORMATION	00000000000000000000000000000000000000			00000000000000000000000000000000000000	Rebited at Standard S	
LATERAL NO. Lateral Type	DSMH Tr	eatment Area l	Bissell Point			
92 Sanitary Or Combined	19F2 352C	Trunk Sewer	37 - Western Mill C	reek		
Description Multiple lines exiting buildings on S side (
Sewer Route W on Enrightl, S on Vandeventer, E throu	·					
SAMPLE POINT NO. 002 Ordinance	NPDE	ES Outfall No.				
Description Offset MH @ Spring & Enright 75' SW of	bldg #5 (Total Flow)				F-66Al	
Discharge Components Process Description	Avg Flow	Unit Max I	Flow Unit	RUD	Effective Date	
Sanitary	5,500		GPD	D	9/19/16	
Storm Water	•	GPD	GPD	D	9/19/16	
Hospital Waste	14,029		GPD	D	9/19/16	
Laboratory Waste Diagnostic Lab	,	GPD	GPD	D	9/19/16	
Cooling Tower Blo	3,392		GPD	D	9/19/16	
Total Flow Avg =	23,521	Max =				
CONNECTION and SAMPLE POINT INFORMATION	**************************************	oodeestatiibeeiskiid oode oo				
LATERAL NO. Lateral Type			Bissell Point			
03 Sanitary Or Combined	19F2 351C	Trunk Sewer 3	37 - Western Mill Cı	еек		
Description 6" line exiting NW portion of building ont						
Sewer Route W on Enrightl, S on Vandeventer, E through		·				
SAMPLE POINT NO. 001 Ordinance	NPDE	S Outfall No.				
Description MH S of Bell curb 80' E of Spring (Total I	Flow)				ET EE	
Discharge Components Process Description	Avg Flow	Unit Max F	Flow Unit	RUD	Effective Date	
Regeneration/Rejec	2,787		GPD		9/19/16	
Boiler Blowdown	2,018		GPD GPD	, D D	9/19/16	
Non Contact Coolir Autoclaves		GPD .	GPD GPD	D	9/19/16	
Sanitary Autociaves	18,000		GPD GPD	D	9/19/16	
Storm Water		GPD	GPD	D	9/19/16	
Hospital Waste	42,087		GPD	D	9/19/16	
Laboratory Waste Diagnosite Labs		GPD .	GPD	D	9/19/16	
Kitchen Waste	10,372		GPD	D	9/19/16	
Cooling Tower Blo	10,075		GPD	D	9/19/16	
Total Flow Avg =	86,039	Max =	~·~	_		
SAMPLE POINT NO. 003 Ordinance	•	S Outfall No.				
Description 6" Vent 6' N 12' W from NW corner of 371		/				
•					Effective	
Discharge Components Process Description	Avg Flow			RUD	Date	
Sanitary		GPD	GPD	D	9/19/16	
Storm Water		GPD	GPD _.	D	9/19/16	
Total Flow Avg =	. 500	Max =	£	999999999999	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	opensonon
PRETREATMENT TYPES						
SP EFF DATE TYPE DESCRIPTION						
001 02/02/2004 DC37 pH Adjustment/Neutralization 001 03/16/1998 DC28 Grease Trap						
001 03/16/1998 DC28 Grease Trap 002 01/16/2003 DC37 pH Adjustment/Neutralization	•					
PRIORITY POLLUTANTS-				******************	-	
Collutant Description Status Pollutant Description	ription	Status Pollus	tant Description		Status	•
sbestos (Fibrous) . SP Cadmium (Tot			ıry (Total)		SP	•
and (Total) on Dhanal		ro Tolue	• • •		1/0	

KP

Toluene

Report No. PIMS012A	04/10/2017	10:57:21 am
Data Date & Time:	04/10/2017	10:57:21 am

SP

SP

Phenol

Lead (Total)

Chloroform

ΚP

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

EXTRASTRENGTH SURCHARGE INFORMATION

Report No. PIMS012A

Data Date & Time:

04/10/2017

04/10/2017

10:57:21 am 10:57:21 am

PIMS FACILITY CONTACTS	VA MEDICAL CENTER	700000
PIMS	1008545900	1 posted at 015 N Grand Daniand
	For Account Number Selected 1008545900	1 ocoted at

63106 MO Located at 915 N. Grand Boulevard St. Louis MO

Address Type Contact Type	Contact Name	r	Contact Title	Email	Signator	Signatory Phone Type Number		Ext.
Billing Address Billing Contact Office Mailing Address	Keith Repko		Service Chief/Engineering		>	OFF	(314)289-6438	Вресоположения
Office Contact - Primary Office Contact 2nd Alt	Mike Stogsdill Fabian Grabski			michael.stogsdill1@va.gov Fabian.grabski@va.gov	≻ Z	OFF CELL	(314)289-6450 (314)265-4780	
Office Contact 2nd Alt Office Contact 2nd Alt	Fabian Grabski Fabian Grabski		Acting Associate Director Acting Associate Director	Fabian.grabski@va.gov Fabian.grabski@va.gov	zz	FAX OFF	(314)289-7045 (314)289-6423	,
Office Contact 2nd Alt Premise Address	Fabian Grabski		Acting Associate Director	Fabian grabski@va.gov	z	SWR	(314)845-5032	
Field Contact - Primary Field Contact - Primary	Mike Stogsdill Mike Stogsdill		Pipe Shop Supervisor Pine Shop Supervisor	michael.stogsdill1@va.gov	ZZ	CELL	(314)858-0269	
Field Contact 1st Alt	Darren Reeves		General Maintenance Foreman	darren.reeves@va.gov	z	OFF	(314)824-8113	
Field Contact 2nd Alt Field Contact 2nd Alt	Fabian Grabski Fabian Grabski		Acting Associate Director Acting Associate Director	Fabian.grabski@va.gov Fabian orabski@va oov	zz	CELL	(314)265-4780	
Field Contact 2nd Alt	Fabian Grabski			Fabian.grabski@va.gov	z	OFF	(314)289-6423	
Field Contact 2nd Alt	Fabian Grabski		Acting Associate Director	Fabian.grabski@va.gov	z	SWR	(314)845-5032	
							,	
							-	
	·							
		- 4						
				,				*
				,				
	·		-					

04/10/2017 10:57:33AM

Modification Date: Modification Time:

oę

10:57:33AN 10:57:33AN

4/10/2017 4/10/2017

Report No. PIMS061A Data Date & Time

PIMS REPORT OF FIELD SAMPLING REQUIREMENTS VA MEDICAL CENTER

Account No Entered 1008545900

SPN	PRE	MISE ADDRESS	CITY	ST	ZIP
	915	N. Grand Boulevard	St. Lou	is MO	63106
001 Project Code: Pollutant Group	IM = I Poll Code	PD - Company - MSD Pollutant Description	Frequency	Sample Type	End Date
	1208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2017
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2017
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2017
	T237000	рН	Once/year	Grab	06/30/2017
•	T247000	Temperature	Once/year	Grab	06/30/2017
•	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2017
	T257000	Total Phenols	Once/year	Grab	06/30/2017
	T393000	Silver (Total)	Once/year	Comp-Time 04 Hrs	06/30/2017
Phenolic Organics - Acids	T991000	Phenolic Organics - Acids	Once/year	Grab	06/30/2017
Volatile Organics	T996000	Volatile Orgs-not incl Acro/Acryl & 2-	Once/year	Grab	06/30/2017
002 Project Code:		PD - Company - MSD	Fraguency	Sample Type	End Date
					5 1 5 ·
002 Project Code: Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	Poll Code 1208000	Pollutant Description Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2017
	Poll Code 1208000 T213000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand	Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs	06/30/2017 06/30/2017
	T208000 T213000 T234000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total)	Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab	06/30/2017 06/30/2017 06/30/2017
	T208000 T213000 T234000 T237000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH	Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab	06/30/2017 06/30/2017 06/30/2017 06/30/2017
	Poll Code T208000 T213000 T234000 T237000 T247000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature	Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab	06/30/2017 06/30/2017 06/30/2017 06/30/2017 . 06/30/2017
	Poll Code T208000 T213000 T234000 T237000 T247000 T256000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids	Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Comp-Time 04 Hrs	06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017
	T208000 T213000 T234000 T237000 T247000 T256000 T257000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols	Once/year Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Comp-Time 04 Hrs Grab	06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017
Pollutant Group	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total)	Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs	06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017
Pollutant Group Phenolic Organics - Acids	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids	Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs	06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017
Pollutant Group Phenolic Organics - Acids	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total)	Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs	06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017
Pollutant Group Phenolic Organics - Acids	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids	Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs	06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017
Pollutant Group Phenolic Organics - Acids Volatile Organics	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000 T996000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids	Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs	06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017
Phenolic Organics - Acids Volatile Organics Oo3 Project Code:	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000 T996000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids Volatile Orgs-not incl Acro/Acryl & 2-1	Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Grab Grab	06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017
Phenolic Organics - Acids Volatile Organics Oo3 Project Code:	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000 T996000 IM = II Poll Code	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids Volatile Orgs-not incl Acro/Acryl & 2-1 PD - Company - MSD Pollutant Description Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Grab Grab Grab Grab Grab Grab	06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017
Phenolic Organics - Acids Volatile Organics Oo3 Project Code:	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000 T996000 IM = IPOBL Code T208000 T213000	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids Volatile Orgs-not incl Acro/Acryl & 2-i PD - Company - MSD Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Grab Grab Grab Grab Grab Grab Grab	06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 End Date omposite) 06/30/2017
Pollutant Group Phenolic Organics - Acids Volatile Organics Oo3 Project Code:	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000 T996000 IM = II Poll Code	Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids Volatile Orgs-not incl Acro/Acryl & 2-1 PD - Company - MSD Pollutant Description Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Grab Grab Grab Grab Grab Grab	06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017 06/30/2017

Report No. PIMS067A	4/10/2017	10:57:48AM	
Data Date & Time	4/10/2017	10:57:48AM	

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORMATION

Company Name: VA MEDICAL CENTER

Permit No: 1008545900 - 2.1

Effective Date: Apr 01, 2016

Expiration Date: Jan 31, 2017

Premise Address: 915 N. Grand Boulevard, St. Louis, MO 63106

Monitoring Period:

□(JAN-MAR)

□(APR-JUNE)

□(JULY-SEPT)

X(OCT-DEC)

Samples Collected By: thring mental Monitoring Tech Inc

Analyses Performed By: EMT

PART II: ANALYTICAL RESULTS OF SELF MONITORING

PARTII: ANALYTICAL RESULT	S OF SE	LHN	MONITORING)				
MSD SAMPLE POINT REFERENCE NUMBERS	⇔	C	001	ϵ	002	E	03	1
DATES ON WHICH SAMPLES WERE COLLECTED	⇔	ľ	1-2-16		-2-16			
TIMES AT WHICH SAMPLES WERE COLLECTED	=		11:18	1	1:59			<u>: : : : : : : : : : : : : : : : : : : </u>
PARAMETER	LIMIT	RE	CORD SAMPLE T (G=grab, C=con		(G, C, M OR E) Al M=measured flow, E			UNITS
FLOW		E	84,773	E	25,187	E	1.00	99/101
BOD		<u>C</u>	187	(693			mg/L
COD		C	482	C	676			male
OIL and Grease T		G	13.4	6	28.0			mg/L
Total Perphols		6	0.109	G	0.105			mg/L
TSS		C	351	C	510			mg/L
PH	-	G	7.60	G	8.10			PHUN
Temp		6	25.8	G	24.1			60
<i>P</i>								
	,							
							•	
			,		,			
					***************************************			و
<u> </u>								
		JL	<u> </u>	I		L	L	J1

You must complete and sign the certification statements on the second page V E D

DEC 0 5 2016

DIVISION OF ENVIRONMENTAL COMPLIANCE

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

A. No change in wastewater discharge at sampling points with no monitoring required

For permit special conditions that waive monitoring at any sample point specified in your permit, you are required to make the following of 14.0

I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample point 003.

PART IV: GENERAL CERTIFICATION STATEMENTS

B. Certify Discharge Monitoring Report & attachments

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official:	Sossall Michael StogSANI
Title: Fipe Shop Superevizor	Telephone: 314-289-6450
Signature: Michael Stuzzbell	Date: 12-5-16

RECEIVED

dius 20 330

CHANGENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION							
Company Name: VA - St. Louis Health Care System							
Permit No: 11140460-00							
Premise Address: 915 N. Grand Blvd, St. Le	ouis, MO 63106						
Reporting Period: [JAN-MAR] [AP	R-JUNE) (JULY-SEPT) (OCT-DEC)						
PART II: RECORD OF DISPOSAL OF RADIOACTI	IVE MATERIALS TO THE SEWER SYSTEM						
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)						
Any/All	0 (zero)						
7							
TOTAL ACTIVITY DISCHARGED:	0 (zero)						
	0 (2610)						
PART III: CERTIFICATION STATEMENTS							
Place your initials in the box under item	Α						
Everyone must complete the information und	• •						
A. CERTIFICATION OF COMPLIANCE WITH STAT	'E AND FEDERAL REGULATIONS						
/ / and is CSK Part 20-10.090 governing disposal	on and the Missouri Department of Health, respec-						
B. RADIOACTIVE MATERIALS DISCHARGE REPOR	RT CERTIFICATION DIVISION OF						
I certify under penalty of Law that this document are direction or supervision in accordance with a system of comparity gather and evaluate the information submitted earsons who manage the system, or those persons directly information submitted is, to the best of my known am aware that there are significant penalties for cossibility of fine and imprisonment for knowing viceossibility of fine and imprisonment fine and imprisonment for knowing viceossibility of fine and imprisonment fine and the	nd all attachments were premytheon mental COMPLIANCE of designed to assure that qualified personnel ed. Based on my inquiry of the person or ectly responsible for gathering the information, will describe the design of the person of accordance of the person of the pers						
Print/type name of signing official: Gary L	., Hall						
ritle: Radiation Safety Officer	Telephone: (314) 652-4100, ext. 54832						
Dignature: GARY L. HALL 967465 0 2221 (1900) 10 (1.17) (1.	Date: December 5, 2016						
Desc. 2016, 12.09.09, 00, 17 - OSTUT	radrpt.doc 2/00						



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735

www.emt.com

Client Sample Results

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 001 Composite

Report Date: 11/11/2016

Work Order:

16K0063

Collection Date: 11/02/2016 11:18 Matrix: Wastewater

Lab ID: 16K0063-01

Analyses	Result	EMT Reporting Limit	Units	Date/Time Analyzed	Batch	Analyst
Wet Chemistry					D'EL	
Method: HAC	H 8000					
Chemical Oxygen Demand (COD)	482	10.0	mg/L	11/04/16 10:30	B6K0172	TB2
Method: SM2	540D		 			
Suspended Solids (Residue, Non-filterable)	321	15.0	mg/L	11/07/16 13:05	86K0295	CP1
Method: SM5	210 B		-			
Biochemical Oxygen Demand	187	15	mg/L	11/08/16 07:24	B6K0133	MM7

GEVIEDER

AND AN JAN

TO ROBENIO FOR THE COMPILENCE



8100 N. Austin Avenue

Morton Grove, IL 60053-3203 P 847.967.6666

EMT Reporting

Limit

800.246.0663

F 847.967.6735

www.emt.com

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Analyses

Work Order:

VASTL John Cochran

- Client Sample ID: 001 Grab

Report Date: 11/11/2016

Collection Date: 11/02/2016 11:35

Matrix: Wastewater

Lab ID: 16K0063-02

16K0063

Date/Time Analyzed

Batch Analyst

On Site Analysis

Method: SM2550-B

Method: SM4500-H

Temperature

25.8

7.60

Result

Qual Units

°C

pH Units

11/02/16 11:35

11/02/16 11:35

B6K0117

B6K0117

NS

NS:

рΗ Wet Chemistry

Method: E1664A

Oil and Grease (HEM)

4.00

0.05

mg/L

SK2

Method: E420.1 Rev.1978 by Aquachem Phenolics, Total Recoverable

0.109

0.0100

mg/L

11/03/16 15:02

11/10/16 07:00

B6K0131

B6K0388

MB1

RECEIVED

DEC 0 5 2016

DIVISION OF ENVIRONMENTAL COMPLIANCE



8100 N. Austin Avenue

Morton Grove, IL 60053-3203 P 847.967.6666

800.246.0663

F 847.967.6735

Client Sample Results

(Continued)

Client: Project:

Work Order:

St. Louis VA Medical Center

VASTL John Cochran

16K0063

Client Sample ID: 002 Composite

Report Date: 11/11/2016

Collection Date: 11/02/2016 11:59

Matrix: Wastewater

Lab ID: 16K0063-03

Analyses	Result	EMT Reporting Limit		Units	Date/Time Analyzed	Batch	Analyst
Wet Chemistry							
Method: HACH	8000						
Chemical Oxygen Demand (COD)	676	10.0		mg/L	11/04/16 10:30	B6K0172	TB2
Method: SM2540	O.C.						
Suspended Solids (Residue, Non-filterable)	510	15.0		mg/L	11/07/16 13:05	B6K0295	CP1
Method: SM5210	В		- ,	2.000			
Biochemical Oxygen Demand	693	15		mg/L	11/08/16 07:24	B6K0133	MM7.





8100 N. Austin Avenue

Morton Grove, IL 60053-3203 P 847.967.6666

800.246.0663 F 847.967.6735

www.emt.com

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

16K0063

Client Sample ID: 002 Grab

Report Date: 11/11/2016

Collection Date: 11/02/2016 12:10

Matrix: Wastewater Lab ID: 16K0063-04

EMT Reporting Date/Time Analyses Result Limit Qual Units Analyzed Batch Analyst On Site Analysis Method: SM2550-B Temperature 24.1 ·C 11/02/16 12:10 B6K0117 NS Method: SM4500-H рΗ 8.10 0.05 pH Units 11/02/16 12:10 B6K0117 NS Wet Chemistry Method: E1664A Oil and Grease (HEM) 28.0 4.00 mg/L 11/10/16 07:00 B6K0388 SK2 Method: E420.1 Rev.1978 by Aquachem Phenolics, Total Recoverable 0.105 0.0100 mg/L 11/03/16 15:02 B6K0131 MB₁

RECEIVED

DEC 0 5 2016

DIVISION OF ENVIRONMENTAL COMPLIANCE



Client VAMC - for	IN CORNARY DEV	Outfall I.D	Da	te <u>[1-1-/</u>
Ambient Weather Emy 7	73°F Wind 5-16mph	Arrival Time 10:41	Departure Time /	1:10
Sampler I.D//	Sampler Type <u>3500 3710</u>	Meter I.D	Meter Type	
Battery I.D62	· · · · · · · · · · · · · · · · · · ·	Battery I.D		
Sampling Interval Zom.	<u> </u>	Reading Level	Actual Level -	
Multiplex Camp		Total Flow	7,0104,1000	
Number of Samples	Sample Collected At	Primary Device		
Time/Flow/Storm	(CE/Ref:			
Idstall Service	Pull	Sample Initiation		
Bottle # Volume	Description / Cor	mments	Composite	<u>Grab</u>
1. INSTACO CAUTEM	ENT			
				Sanitary SS
3. Gogo MANNING SAM	NO JAKEN		Cloudy	Cloudy
4			···· Clear	Clear
			··· Milkv	Milky
			··· Oil Film	Oil Film
				Foamy
				Flock
			Sediment	Sediment
			00,0,	Color
			Other	Other
				alibration
				-
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
				-
			talan iine.	
18 10			Grab pH	
	`			•
22.	4		Incoming M	latore
				ctcis
Client Meter Flow	 Sn	DL ACTL		
1/1/	_Signature	Date <u>//-/-/</u>	; Q	
[echnician	Signature	Date		



Client VAMC - JOHN COCHEAN DIV	Outfall I.D	Date 1/-2-14
Ambient Weather Park 77°F Wind @-5-6	Arrival Time 11:14	Départure Time 1/350
Sampler I.D. // Sampler Type Type Type Type	Meter I.D.	Meter Type
Battery I.D. 62	Battery I.D.	
Sampling Interval 70mg	D P - 1 1	
Multiplex Camp Number of Samples 73 Sample Collected At 11:18	Total Flow	7.00.00
Number of Samples 73 Sample Collected At 11:18	Primary Device	:
Time/Flow/Storm ICE/Ref:		
Install Service PIII	=	Sampler Start Time
Bottlé # Volume Description / Com	nents	Composite Grab
1. Temp 23.6°C		
·	_	
2. 3. PE Comp Cantainer 40 % Free		SS' SS' Cloudy
4.		()
5. REMOVED GANTIALY BUTED UP AROUND SAMPLE		
6		
7 Pulled Eansment	***************************************	Foamy Foamy
8	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Flock Flock
9. LOFT AREA CLEAN		Sediment Sediment
10		Tan Color Color
11		Other Other
12		
13	<u></u>	pH Meter Calibration
14,		$7.0 = \frac{7.64}{}$
15		4.0 = 4:01
16		10.0 = 10.01
17		Grab Time 11:35
18		Grab pH 7.65
19.		Grab Temp25.8℃
20		Clab lemp
21		
22		Incoming Meters
23	•	RECEIVED
24		DEC 0 5 2016
		DIVISION OF
	L ACTL	ENVIRONMENTAL COMPLIANCE
rechnician MA Signature Mf	Date <u>11-2-14</u>	 -
FechnicianSignature	Date	<u> </u>
		Page 16 of 24



Client VAMC - De	MN CECHEAN DIV	_ Outfall I.D <i>OO</i> Z	Date	11-1-16
Ambient Weather Frank 7	3° - Wind 5-10-1	_ Arrival Time // .: 15	Departure Time_//	
	Sampler Type 3303700			
Battery I.D97		_ Battery I.D	•	
	,			
	Sample Collected At			
	Œ/Ref:	Maximum Head Height _		
lostall Service	Pull	Sample Initiation	•	11:33
Bottle # Volume	Description / Com	ments	Composite	<u>Grab</u>
1. Trespaced Early	embat		Sanitary	Sanitary
2.		***************************************	· SS	SS
3 Gene MANUAL SAME	et Then	A	· Cloudy	Cloudy
				Clear
5. Law Fran			· Milky	Milky
			O11 1 11111	Oil Film
			, ourning	Foamy
				Flock
			- Countrion	Sediment
	·		00.0.	Color
			Other	Other
13			pH Meter C	
	1			400000000000000000000000000000000000000
		•	•	
			,0.0	
18		,	Grab Fille -	
		· ·	Grab Temp	
			· ·	10000000000000000000000000000000000000
				otoro
•				5(5) 5
				•
Client Meter Flow	SnRD	L ACTL		
Technician Mad	Signature///	Date <u>//-/-/</u> /		
Technician	Signature	Date		



Client VAMC - JOH	N COCHEAN DIN	_ Outfall I.D	Date 1/-2-14
	77° Wind Q+54ph		
Sampler I.D.	Sampler Type Tree 37/0	Meter I.D	Meter Type
Battery I.D. 97		Battery I.D.	
Sampling Interval Zon		_ Reading Level	Actual Level
MultiplexCe		Total Flow	,
Number of Samples 74	Sample Collected At 11:5	Primary Device	
Jime/Flow/Storm	ICE/Ref:	Maximum Head Height_	
Install Service	EUIL .		Sampler Start Time
2 3. PE Comp Con 4. 5. REMOVED SANITARY BUT 6. 7. PULLED EQUIPMENT 8. 9. LEFT ARCA CLEAN 10.	Description / Con CAINER 80% Fues CO LE AROUN SAMPLE PROB	ė.	Cloudy Clear Clear Milky Milky Milky Oil Film Foamy Foamy Flock Sediment Color Cloudy
			Oliver Other
			- 10U
			Grab Time - E TW
			Grab pri
20			Grab Temp 24.1.C
21			
22		······	Incoming Meters
		•	
24			RECEIVED
Client Meter Flow	Sn Dr	DL ACTL	DEC 0 5 2016
Technician Add	-1 1	Date <u>1/~ Z ~ / /</u>	/a .
Technician		Date	DIVISION OF ENVIRONMENTAL COMPLIANCE Page 18 of 24



Metropolitan Saint Louis Sewer District 2350 Market Street Saint Louis, Missouri 63103-2555

VA MEDICAL CENTER 915 N. Grand Blvd. St. Louis, MO 63106

Attn: Mike Stogsdill

Pipe Shop Superviosr

INDUSTRIAL WASTEWATER DISCHARGE PERMIT NUMBER 1008545900

ANNUAL PERMIT FEE NOTICE

For permits in effect as of 10/01/2016.

Fee will be included on the next regular monthly bill from the Metropolitan St. Louis Sewer District.

Explanation of Charges

Fee for Pretreatment Program Discharge Permit covering the period October 1, 2016 through September 30, 2017 issued in accordance with the Metropolitan St. Louis District Ordinance #8660 for the location at **915 N. Grand Boulevard**.

Base charge @ \$150.00 per permit Volume charge @\$0.72 per average daily Ccf Sample Point Charge @\$100.00 per sample point

87.85 Ccfs 3 points \$150.00 \$ 63.25 \$300.00

Total Fee Due:

\$513.25

For inquiries about the Annual Permit Fee, please call 314-436-8756. For inquiries about payment of the fee, which will appear on your upcoming monthly bill, please call 1-866-281-5737.

THIS IS NOT A BILL DO NOT PAY NOW FEE WILL BE INCLUDED ON MONTHLY BILL

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORMATION

Company Name: VA MEDICAL CENTER

Permit No: 1008545900 - 2.1

Effective Date: Apr 01, 2016

Expiration Date: Jan 31, 2017

Premise Address: 915 N. Grand Boulevard, St. Louis, MO 63106

Monitoring Period:

□(JAN-MAR)

□(APR-JUNE)

₩(JULY-SEPT)

□(OCT-DEC)

Samples Collected By: Environmental Monitoring tech

Analyses Performed By: EMT

PART II: ANALYTICAL RESULT MSD SAMPLE POINT REFERENCE NUMBERS	SUF S	7/	- 1	NG	A - ^	ì	·	1
	⇒	1-9	001		002	<u> </u>	003	
DATES ON WHICH SAMPLES WERE COLLECTED			119 /201	6 0	//19/2016		N/A	
TIMES AT WHICH SAMPLES WERE COLLECTED	⇔		11:52		12:11		NIA	
PARAMETER	LIMIT	RE	CORD SAMPLE (G=grab, C=c	TYPES	S (G, C, M OR E) A e, M=measured flow, E	ND RE	SULTS BELOW ated flow)	UNITS
FLOW		E	84,77	3 E	25.187	E	100	gallar
13015		(57	(P47+72			Mall
COD	W	C	327	<u> </u>	471			male
OIL and Gregset		Cr.	7.98	G	13.4		,	mall
DIL and Gregset Total Phenols		G	0.115	G	0.0100		-1	Mall
T35.		C	110	C	435			mall
PH		G	7.50	G	7.60			FIRUTIA
Temp		G	29.3	Ġ	24.8			OC
TTO		6	0.14631	G	0.146			mg/L
			**					
							1	
						\neg		
		$\neg \uparrow$		$\parallel $		-+		

You must complete and sign the certification statements on the second page RECETVED

NOV 0 3 2016

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

A. No change in wastewater discharge at sampling points with no monitoring required

For permit special conditions that waive monitoring at any sample point specified in your permit, you are required to make the following certification for each report in which monitoring is waived:

I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample point 003.

PART IV: GENERAL CERTIFICATION STATEMENTS

B. Certify Discharge Monitoring Report & attachments

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official:	5t09501)1.	
Title: Pipe Shop Superuson	Telephone: 314-289-6450	
Signature: While Stoppedell	Date: 9-20-16	

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name: V/4-St. Louis Health	Lare Sustra
Permit No:	,
Premise Address: 915 N. Grand Al	ud, St Louis, MO 65106
Ponovića po to	PR-JUNE) $\Theta(\text{JULY-SEPT})$ $\Theta(\text{OCT-DEC})$
PART II: RECORD OF DISPOSAL OF RADIOACT	IVE MATERIALS TO THE SEWER SYSTEM
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
May /ALL	\$ 200
	·
TOTAL ACTIVITY DISCHARGED:	\varnothing
PART III: CERTIFICATION STATEMENTS	·
Place your initials in the box under item	A.
Everyone must complete the information und	
DESTRICTION OF CONFERENCE WITH SIM.	
and 19 CSR Part 20-10.090 governing disposal regulated by the Nuclear Regulatory Commission tively, have been met for the period covered	belief, all requirements of 120 Car 100 CED by release into sanitary sewage for material Department of Health, respective to the respective report.
B. RADIOACTIVE MATERIALS DISCHARGE REPOR	NUV 0.3 2016
I certify under penalty of Law that this document as direction or supervision in accordance with a system properly gather and evaluate the information submitted persons who manage the system, or those persons directly information submitted is, to the best of my know I am aware that there are significant penalties for possibility of fine and imprisonment for knowing vice	ectly responsible for gathering the information, viedge and belief, true, accurate, and complete.
Print/type name of signing official:	MRY C. HALL
Title: Radiation Safety Officer Signature: Au 2 Heli	Telephone: 314652-4100, ex154832
Signature: Any 2 Hali	Date: 19 September 2814

radrpt.doc 2/00



8100 N. Austin Avenue

Morton Grove, IL 60053-3203 P 847.967.6666

800.246.0663 F 847.967.6735 www.emt.com

Client Sample Results

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 001 Composite

Report Date: 08/04/2016

Collection Date: 07/19/2016 11:22

Matrix: Wästewater

Work Order:

16G0179

Lab ID: 16G0179-01

		~~~					
Analyses	Result	EMT Reporting Limit		nits	Date/Time Analyzed	Batch	Analyst
Wet Chemistry					,	A	-
Method:	HACH 8000				·		
Chemical Oxygen Demand (COD)	327	10.0	m	g/L	07/20/16 10:15	B6G0988	TB2
Method:	SM2540D		·· <del>·</del>				
Suspended Solids (Residue, Non-filterable)	110	15.0	m	g/L	07/22/16 11:19	B6G1188	CP1
Method:	SM5210 B	<u> </u>					
Biochemical Oxygen Demand	57	15	m	ı/L	07/25/16 07:18	B6G0993	KJ1

PEGEIVED

WOV 03 2016



8100 N. Austin Avenue

Morton Grove, IL 60053-3203 P 847.967.6666

800.246.0663

F 847.967.6735

www.emt.com

#### Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 001 Grab

Report Date: 08/04/2016

Collection Date: 07/19/2016 11:38

Matrix: Wastewater

Work Order: 16G0179 Lab ID: 16G0179-02 **FMT** Reporting Date/Time Analyses Result Limit Qual Units Analyzed Batch Analyst On Site Analysis Method: SM2550-B Temperature 29.3 °C 07/19/16 11:38 B6G1321 NS Method: SM4500-H рH 7.50 0.05 pH Units 07/19/16 11:38 B6G1321 NS Wet Chemistry Method: E1664A Oil and Grease (HEM) 7.98 4.00 mg/L 08/03/16 07:45 B6H0078 SA1 Method: E420.1 Rev.1978 by Aquachem Phenolics, Total Recoverable 0.0100 mg/L 07/21/16 11:39 86G1079 AMP Volatile Organic Compounds by GC/MS Method: E624 / SW5030 1.1.1-Trichloroethane < 0.00200 0.00200 mg/L 07/20/16 18:58 B6G1194 XN 1,1,2,2-Tetrachloroethane < 0.00200 0.00200 ma/L 07/20/16 18:58 B6G1194 XN 1,1,2-Trichloroethane < 0.00200 0.00200 mg/L 07/20/16 18:58 B6G1194 ΧN 1,1-Dichloroethane < 0.00200 0.00200 mg/L 07/20/16 18:58 B6G1194 XN 1.1-Dichloroethene < 0.00200 0.00200 mg/L 07/20/16 18:58 86G1194 ΧN 1,2-Dichlorobenzene < 0.00400 0.00400 mg/L 07/20/16 18:58 B6G1194 ΧN 1.2-Dichloroethane < 0.00200 0.00200 mg/L 07/20/16 18:58 B6G1194 ΧN 1,2-Dichloropropane < 0.00200 0.00200 mg/L 07/20/16 18:58 B6G1194 XN 1.3-Dichlorobenzene < 0.00200 0.00200 mg/L 07/20/16 18:58 B6G1194 XN 1,4-Dichlorobenzene < 0.00400 0.00400 mig/L 07/20/16 18:58 B6G1194 XN 2-Chloroethyl vinyl ether < 0.0100 0.0100 mg/L 07/20/16 18:58 B6G1194 XN Acrolein < 0.0100 0.0100 mg/L 07/20/16 18:58 B6G1194 ΧN Acrylonitrile < 0.00400 0.00400 mg/L 07/20/16 18:58 B6G1194 XN Benzene < 0.00200 0.00200 mg/L 07/20/16 18:58 B6G1194 ΧN Bromodichloromethane < 0.00200 0.00200 mg/L 07/20/16 18:58 B6G1194 XN Bromoform < 0.00200 0.00200 mg/L 07/20/16 18:58 B6G1194 XN Bromomethane < 0.00400 0.00400 mg/L 07/20/16 18:58 B6G1194 ΧN Carbon tetrachloride < 0.00400 0.00400 mg/L 07/20/16 18:58 B6G1194 ΧN Chlorobenzene < 0.00200 0.00200 mg/L 07/20/16 18:58 B6G1194 XN Chloroethane < 0.00800 0.00800 mg/L 07/20/16 18:58 B6G1194 XN Chloroform 0.00231 0.00200 07/20/16 18:58 B6G1194 mg/L XN RECEIVED Chloromethane < 0.00400 0.00400 mġ/L 07/20/16 18:58 B6G1194 XN cis-1,3-Dichloropropene < 0.00100 0.00100 mg/L 07/20/16 18:58 B6G1194 XN Dibromochloromethane < 0.00200 0.00200 mg/L 07/20/16 18:58 B6G1194 XN NOV 0 3 2016 Ethylbenzene < 0,00200 0.00200 mg/L 07/20/16 18:58 B6G1194 ΧN m.p-Xylene < 0.00400 0.00400 mg/L 07/20/16 18:58 B6G1194 ΧN Methylene chloride < 0.00200 0.00200 mg/L DIVISION OF 07/20/16 18:58 B6G1194 ΧN ENVIRONMENTAL COMPLIANCE < 0.00400 o-Xylene 0.00400 mg/L 07/20/16 18:58 B6G1194 XN Tetrachloroethene < 0.00400 B6G1194 ΧN 0.00400 mg/L 07/20/16 18:58 Toluene < 0:00200 0.00200 07/20/16 18:58 B6G1194 ΧN mg/L trans-1,2-Dichloroethene < 0.00400 07/20/16 18:58 B6G1194 0.00400 mg/L XN



16G0179

8100 N. Austin Avenue

Morton Grove, IL 60053-3203 P 847.967.6666

800.246.0663 F 847.967.6735

www.emt.com

Client Sample Results

(Continued)

Client: Project:

Work Order:

St. Louis VA Medical Center

VASTL John Cochran

Client Sample ID: 001 Grab

Report Date: 08/04/2016

Collection Date: 07/19/2016 11:38

Matrix: Wastewater

Lab ID: 16G0179-02 (Continued)

						71D. 1000179-02 (C	Jiminueu)	
Analyses	Result	EMT Reporting Limit	Qual	Units		Date/Time Analyzed	Batch	Analyst
Volatile Organic Compounds	by GC/MS	(Continue	d)	4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		Analyzeu	Dateii	Analyst
Method: E624			,					
trans-1,3-Dichloropropene	< 0.00100	0.00100		mg/L		07/20/16 18:58	B6G1194	XN
Trichloroethene	< 0.00200	0.00200		mg/L		07/20/16 18:58	B6G1194	XN
Trichlorofluoromethane	< 0.00800	0.00800		mg/L		07/20/16 18:58	B6G1194	XN
Vinyl chloride	< 0.00200	0.00200		mg/L		07/20/16 18:58	B6G1194	XN
Xylenes, Total	< 0.00800	0.00800		mg/L		07/20/16 18:58	86G1194	XN
1,2-Dichloroethene, Total	< 0.0200	0.0200		mg/L	•	07/20/16 18:58	B6G1194	XN
1,3-Dichloropropene, Total	< 0.00200	0.00200		mg/L		07/20/16 18:58	B6G1194	XN
Surrogate: Dibromofluoromethane			• • • • •	Recovery: 99%	Limits: 85-115	07/20/16 18:58	B6G1194	XN
Surrogate: 1,2-Dichloroethane-d4				Recovery: 97%	Limits: 70-120	07/20/16 18:58	B6G1194	XN
Surrogate: Fluorobenzene				Recovery: 97%	Limits: 80-120	07/20/16 18:58	B6G1194	XN
Surrogate: Toluene-d8				Recovery: 91%	Limits: 85-120	07/20/16 18:58	B6G1194	XN
Surrogate: 4-Bromofluorobenzene				Recovery: 99%	Limits: 75-120	07/20/16 18:58	B6G1194	XN
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 100%	Limits: 70-120	07/20/16 18:58	B6G1194	XN

RECEIVED

भारत है । भट्ट

DUASION OF PRIVIDE SOMETANOR



8100 N. Austin Avenue

Morton Grove, IL 60053-3203 P 847.967.6666

800.246.0663 F 847.967.6735

Client Sample Results (Continued)

St. Louis VA Medical Center

Client: Project:

VASTL John Cochran

Client Sample ID: 002 Composite

Report Date: 08/04/2016

Collection Date: 07/19/2016 12:11

Matrix: Wastewater

Work Order:

16G0179

Lab ID: 16G0179-03

Analyses	Result	EMT Reporting Limit		Units	Date/Time Analyzed	Batch	Analyst
Net Chemistry					,		***
Method: HAC	H 8000						
Chemical Oxygen Demand (COD)	471	10.0		mg/L	07/20/16 10:15	B6G0988	TB2
Method: SM25	40D						
Suspended Solids (Residue, Non-fliterable)	435	15,0		mg/L	07/22/16 11:19	B6G1188	CP1
Method: SM52	10 B		<del></del>				· • · · · · · · · · · · · · · · · · · ·
Biochemical Oxygen Demand	72	15		mg/L	07/25/16 07:18	B6G0993	KJ1

RECEIVED

NOV 0 3 2016



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

#### **Client Sample Results**

(Continued)

Client:

St. Louis VA Medical Center

Project.

Work Order:

VASTL John Cochran

16G0179

Client Sample ID: 002 Grab

Report Date: 08/04/2016

Collection Date: 07/19/2016 12:28

Matrix: Wastewater

				Lab ID:	16G0179-04		
		EMT					
		Reporting			Date/Time		
Analyses	Result	Limit Qual	Units		Analyzed	Batch	Analyst
On Site Analysis						201011	Analysi
Method: SM2	SEEN D						
Temperature	24.8		*C		07/19/16 12:28	B6G1321	NS
Method: SM4	500-H						
рН	7.60	0.05	pH Units		07/19/16 12:28	, PEC1331	NC
Mat Chaminton					07/19/10 12.28	B6G1321	NS
Vet Chemistry							
Method: E166	54A						
Oil and Grease (HEM)	13.4	4.00	mg/L		08/03/16 07:45	B6H0078	SA1
Method: E420	0.1 Rev.1978 b	y Aquachem					
Phenolics, Total Recoverable	0.116	0.0100	mg/L		07/04/40 44 55	040.45	
		V.U.VU	mårr		07/21/16 11:39	B6G1079	AMP
olatile Organic Compound	s by GC/MS						
Method: E624	/ SW5030						
1,1,1-Trichloroethane	< 0.00200	0.00200	mg/L		07/20/10 40:07	0004404	WA :
1,1,2,2-Tetrachloroethane	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
1,1,2-Trichloroethane	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
1,1-Dichloroethane	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
1,1-Dichloroethene	< 0.00200	10.00200	mg/L		07/20/16 19:27	B6G1194	XN
,2-Dichlorobenzene	< 0.00400	0.00400	mg/L		07/20/16 19:27	B6G1194	XN
,2-Dichloroethane	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
,2-Dichloropropane	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
,3-Dichlorobenzene	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
,4-Dichlorobenzene	< 0.00400	0.00400	mg/L		07/20/16 19:27	B6G1194	XN
-Chloroethyl vinyl ether	< 0.0100	0.0100			07/20/16 19:27	B6G1194	XN
Acrolein	< 0.0100	0.0100	mg/L		07/20/16 19:27	B6G1194	XN .
crylonitrile	< 0.00400	0.00400	mg/L		07/20/16 19:27	B6G1194	XN
Senzene	< 0.00200	0.00200	mg/L	•	07/20/16 19:27	B6G1194	XN
Bromodichloromethane	< 0.00200		mg/L		07/20/16 19:27	B6G1194	XN
Bromoform	< 0.00200	0.00200 0.00200	mg/L		07/20/16 19:27	B6G1194	XN
Bromomethane	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
Carbon tetrachloride	< 0.00400	0.00400	mg/L mg/L		07/20/16 19:27	B6G1194	XN
Chlorobenzene	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
Chloroethane	< 0.00800	0.00800	mg/L		07/20/16 19:27	B6G1194	XN
hloroform	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
hloromethane	< 0.00400	0.00400	mg/L		07/20/16 19:27 07/20/16 19:27	B6G1194	XN
s-1.3-Dichloropropene	< 0.00100	0.00100	mg/L			86G1194	XN
ibromochloromethane	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
thylbenzene	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
,p-Xylene	< 0.00400	0.00200	mg/L		07/20/16 19:27	B6G1194	XN
ethylene chloride	< 0.00200	0.00200	mg/L		07/20/16 19:27	B6G1194	ΧŅ
Xylene	< 0.00400		mg/L		07/20/16 19:27	B6G1194	XN
etrachloroethene MOISIVO	< 0.00400	•	mg/L		07/20/16 19:27	B6G1194	XN
oluene 15 16/0 N 16 FL THE			mg/L		07/20/16 19:27	B6G1194	XN
ans-1,2-Dichloroethene	< 0.00400		mg/L		07/20/16 19:27 07/20/16 19:27	B6G1194 B6G1194	XN



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735

www.emt.com

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

16G0179

Client Sample ID: 002 Grab

Report Date: 08/04/2016

Collection Date: 07/19/2016 12:28

Matrix: Wastewater

Lab ID: 16G0179-04 (Continued)

	T-10-000		***************************************		Lab ID	1000119-04 (C	ontinuea)	
		EMT Reporting				Date/Time		
Analyses	Result	Limit	Qual	Units		Analyzed	Batch	Analyst
Volatile Organic Compounds	by GC/MS	(Continue	ed)					
Method: E624	SW5030 (Co	ntinued)				•	,	
trans-1,3-Dichloropropene	< 0.00100	0.00100		mg/L		07/20/16 19:27	B6G1194	XN
Trichloroethene	< 0.00200	0.00200		mg/L		07/20/16 19:27	B6G1194	XN
Trichlorofluoromethane	< 0.00800	0.00800		mg/L		07/20/16 19:27	B6G1194	XN
Vinyl chloride	< 0.00200	0.00200	•	mg/L		07/20/16 19:27	B6G1194	XN
Xylenes, Total	< 0.00800	0.00800		mg/L		07/20/16 19:27	B6G1194	XN
1,2-Dichloroethene, Total	< 0.0200	0.0200		mg/L		07/20/16 19:27	B6G1194	XN
1,3-Dichloropropene, Total	< 0.00200	0.00200		mg/L		07/20/16 19:27	B6G1194	XN
Surrogate: Dibromofluoromethane			· · · · · ·	Recovery: 106%	Limits: 85-115	07/20/16 19:27	B6G1194	
Surrogate: 1,2-Dichloroethane-d4				Recovery: 100%	Limits: 70-120	07/20/16 19:27	B6G1194	XN
Surrogaté: Fluorobenzene				Recovery: 97%	Limits: 80-120	07/20/16 19:27	B6G1194	XN
Surrogate: Toluene-d8				Recovery: 93%	Limits: 85-120	07/20/16 19:27	B6G1194	XN
Surrogate: 4-Bromofluorobenzene				Recovery: 96%	Limits: 75-120	07/20/16 19:27	B6G1194	XN
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 102%	Limits: 70-120	07/20/16 19:27	B6G1194	XN

RECEIVED

NOV 0 3 2016



	Oignature	Date		Page 22 of 31
Technician	Signature	Date <u>7-/6-/</u>	•	
Client Meter Flow		RDLACTL		
	No. William			
	· · · · · · · · · · · · · · · · · · ·			
22.			Incoming Me	eters
21				
			Grab Temp_	
19			Grab pH—	and the same of th
			Grap rime -	
			, 0.0	
12			••	Other
11,			·· Other	Color Other
				Sediment
			7 1001	Flock
			loanly	Foamy
			On t mill	Oil Film
				Milky
5 STAPTED T.			O.Caji	Clear
3 Shoop TINGSC	Sance Taken		···· Cloudy	Cloudy
· 2 Car M			·	SS
1. INSTALLED E	QUI/MENT		···· Sanitary	Sanitary
Bottle # Volume	Description /		Composite	<u>Grab</u>
Install Ser	rvice Pull	Sample Initiation	Sampler Start Time	11:45
	COMREI.	Maximum Head Height		
Number of Samples_	Sample Collected At _	Primary Device		
Multiplex Camp		Total Flow		
Sampling Interval		Reading Level	Actual Level	
Battery I.D5	<i></i>	Battery I.D		
Sampler I.D. 92	Sampler Type 3 700	Meter I.D.	Meter Type	
Ambient Weather @/@	W/ 73 Wind 0.5-10h	Arrival Time //://	Departure Time /	1:50
Client VAMC	LOHN COCHEAN DEV	Outfall I.D@@/	Dat	e <u>7 -18 -1</u> G



Client VAMC from C	CHANN DEV	Outfall I.D. <u>@@1</u>	Dat	e 7-19-14
Ambient Weather overcast	91° Wind 0-5mah	Arrival Time 11:01	Denarture Time /	1.65
Sampler I.D. 42	Sampler Type 3705	Meter I.D.	Meter Type	
Battery I.D. 37		Battery I.D.		
Sampling Interval 30	_	David A A	Actual Level	,
Multiplex Camp		Total Flow		
Number of Samples 48	Sample Collected At 11:22	Primary Device		***************************************
Time/Flow/Storm	ICE/Ref:	Maximum Head Height	And the second s	
Install Service	Euf	Sample Initiation		
Bottle # Volume	Description / Comr		Composite	Grab
1. Temp 78,7°C	·			
2	.90% EU	4	Sanitary	Sanitary
3 PE Comp ConTAXAGE	90% Fell		- SS	(SS)
4.			- Cloudy - Clear	Cloudy
	PAGNUD SAMPLE POOGE			Clear Milky
6	, , , , , , , , , , , , , , , , , , ,	(12	· Oil Film	Oil Film
				Foamy
8		***************************************	· Flock	Flock
9. Leet AREA CLEAN		·	Sediment	Sediment
10			Color	Color TA~
			Other	Other
				alibration
				7.01
				4.01
				10.01
17			Grab Time	
18			Grab pH_Z	
19		······································	Grab pri—z	2020
20			Grab Temps	27.1
and the state of t				
	•••••••••••••••••••••••••••••••••••••••		J .	eters
				ΕD
			NOV 0 3 2010	6
Client Meter Flow	_Sn RDI	ACTL	OWISION OF	
	_ Signature	ACTL Date <i>Z-/9-/0</i> Date	F ENVIRONMENTAL CON	MPLIANCE
	Signature	Date	<del> </del>	000-404



Client VANC JOHN COOKEN 1) 50  Ambient Weather alway 93° Wind 0.5 mph  Sampler I.D. 48 Sampler Type 3700  Battery I.D. 88  Sampling Interval 30 min  Multiplex Cemp  Number of Samples Sample Collected At	Arrival Time //: 55  Meter I.D  Battery I.D  Reading Level  Total Flow  Primary Device	Departure Time_/_Z Meter Type Actual Level	·
Time/Flow/Storm (GE/Ref:	Maximum Head HeightSample Initiation		12:73
Bottle # Volume Description / Con  1. INSTRUCED CENIFICAT  2. 3 Loso Manue Sanae Tage  4. 5. STARTED Took  6. 7. 8. 9. 10.	nments	Composite Sanitary SS Cloudy Clear Milky Oil Film Foamy	Grab Sanitary SS Cloudy Clear Milky Oil Film Foamy Flock Sediment Color Other
12		4.0 = 10.0 = Grab Time — Grab Temp—	alibration
The state of the s			Page 24 of 31



Client VAMC form	CHRAN DEU	Outfall I.D. <u>Ø</u>		Date <u>7-19-42</u>
Ambient Weather clerky 9	C Wind o: rngk	_ Arrival Time /z:0/	Départure	Time 17'40
Sampler I.D. 43	Sampler Type <b>2</b> 700	Meter I.D.	Meter Type	
Battery I.D. 88		Battery I.D.		4-9-
Sampling Interval 30 m.	'n	Reading Loyal	A max.ml 1 m.	
Multiplex <u>C'emp</u>		Total Flow		
	_ Sample Collected At 17:11	Primary Device	400	
Cipze/Flow/Storm	ICE/Ref:	Maximum Head Height		
Instail Service	Pul.	Sample Initiation		
Bottle # Volume	Description / Com		Com	posite Grab
2	,		Sani	
3 PF Come Courses	ce 75% Fello		(93)	
1. p			***************************************	
5 Pour Garant		***************************************	! Clea	7 7 77
6			Milky	
7 LITT BOBA GLEAN		***************************************	•	
8		***************************************		•
			1 100	
10			'Sedir	ment Sediment
11		***************************************		
			Othe	other other
13			pH M	leter Calibration
				$7.0 = \frac{7.01}{}$
				$4.0 = \frac{4.01}{}$
		•	•	$10.0 = \frac{10.01}{}$
			Grab	Time 12:28
18		***************************************	Grah	pH 7.68
9			Grah	Temp24.8č
			Olab	iemp————
			l=====	-i
				ning Meters
			RE	CEIVED
			N	IOV 0 3 2016
lient Meter Flow	_SnRDL _Signature	ACTL	¥	DIVISION OF
echnician <i>M</i>	_ Signature ///	Date <u>7-/9-/</u> 4	ENVIRO	NMENTAL COMPLIANCE
echnician	_Signature	Date		Page 25 of 31

## METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: **IDENTIFYING INFORMATION** Company Name: VA MEDICAL CENTER Permit No: 1008545900 - 2.1 Effective Date: Apr 01, 2016 Expiration Date: Jan 31, 2017 Premise Address: 915 N. Grand Boulevard, St. Louis, MO 63106 APR-JUNE) Monitoring Period: □(JAN-MAR) □(JULY-SEPT) □(OCT-DEC) Samples Collected By: ENVINON mental Monotoring Tech Analyses Performed By: FMT PART II: ANALYTICAL RESULTS OF SELF MONITORING MSD SAMPLE POINT REFERENCE NUMBERS DATES ON WHICH SAMPLES WERE COLLECTED TIMES AT WHICH SAMPLES WERE COLLECTED RECORD SAMPLE TYPES (G, C, M OR E) AND RESULTS BELOW LIMIT UNITS 25,187 4.79 0.0336 0.0516 6 7.0 Z15.0 6.80 G PHUNIT 6-60 6 14.1 16.1 00

You must complete and sign the certification statements on the second page.

RECEIVED

JUN 30 2016

#### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

#### PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

#### A. No change in wastewater discharge at sampling points with no monitoring required

For permit special conditions that waive monitoring at any sample point specified in your permit, you are required to make the following certification for each report in which monitoring is waived:

I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample point 003.

#### PART IV: GENERAL CERTIFICATION STATEMENTS

#### B. Certify Discharge Monitoring Report & attachments

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official:	St0950171
Title: Pipe Shop Supervisor	Telephone: 314-789-6456
Signature: Michael Stics Dell	Date: 6-30-16

RECEIVED

JUN 36 2016

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name: VA St. Louis	Health Care System
Permit No: 1140460-00	
Premise Address: 915 N. Gran	d blvd; St. Louis MD 63106
	PR-JUNE) $\Theta$ (JULY-SEPT) $\Theta$ (OCT-DEC)
PART II: RECORD OF DISPOSAL OF RADIOACTI	JOILO IVE MATERIALS TO THE SEWER SYSTEM
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
Any 1AT	8
0	P
TOTAL ACTIVITY DISCHARGED:	Ø
PART III: CERTIFICATION STATEMENTS	
Place your initials in the box under item	A
Everyone must complete the information und	Her items A & B and sign this report.
A. CERTIFICATION OF COMPLIANCE WITH STATE	TE AND FEDERAL REGULATIONS
19/2 and 19 CSR Part 20-10.090 governing disposal	belief, all requirements of 10 CFR Part 20.2003 by release into sanitary sewage for material on and the Missouri Department of Health, respec- by this report.
B. RADIOACTIVE MATERIALS DISCHARGE REPOR	RT CERTIFICATION
I certify under penalty of Law that this document a direction or supervision in accordance with a system properly gather and evaluate the information submit persons who manage the system, or those persons directly the information submitted is, to the best of my known a manage that there are significant penalties for possibility of fine and imprisonment for knowing visuous submitted is.	m designed to assure that qualified personnel ted. Based on my inquiry of the person or ectly responsible for gathering the information, wledge and belief, true, accurate, and complete. submitting false information, including the
Print/type name of signing official:	Gary L. Hall
Title: Radiation, Safety Officer	RECEI PD 652-4100 ext. 54232
Signature: Sam 2 Hall.	Date: (p/le/2016
	JUN 3 0 2016 racrpt.doc 2/00
ŭ	JOIN 3 0 . 2010



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735

www.emt.com

**Client Sample Results** 

(Continued)

Client:

Work Order:

St. Louis VA Medical Center

Project:

VASTL John Cochran

16D0116

Client Sample ID: 002 Composite

Report Date: 04/13/2016

Collection Date: 04/05/2016 14:45

Matrix: Wastewater

Lab ID: 16D0116-03

					245 15, 1000,110.00		
Analyses	Result	EMT Reporting Limit	Qual	Units	Date/Time Analyzed	Batch	Analyst
Wet Chemistry				- PARTIES CONTROL OF THE PARTIES CONTROL OF T			
Method: HACH	4 8000				•		
Chemical Oxygen Demand (COD)	74.4	20,0	ı	mg/L	04/08/16 11:00	B6D0226	TB2
Method: SM25	40D			AND IN SECURITY OF THE PARTY OF			
Suspended Solids (Residue, Non-filterable)	< 15.0	15.0	,	ng/L	04/07/16 13:15	B6D0191	CP1
Method: SM52	10 B						
Biochemical Oxygen Demand	35	15	r	ng/L	04/12/16 08:31	B6D0174	KJ1
the second secon				****	the desired and to be a second of the second		

RECEIVED



8100 N. Austin Avenue

Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735

Client Sample Results

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 001 Composite

Report Date: 04/13/2016

Collection Date: 04/05/2016 14:25

Work Order:

16D0116

Matrix: Wastewater Lab ID: 16D0116-01

		EMT Reporting		-	Date/Time		
Analyses	Result	Limit	Qual	Units	Analyzed	Batch	Analyst
Wet Chemistry			,				
Method: HACI	0008 H						
Chemical Oxygen Demand (COD)	485	10:0	I	mg/L	04/07/16 11:35	B6D0184	TB2
Method: SM25	40D			WW. LEGISLO 40 M. S. L. C.			
Süspended Solids (Residue, Non-filterable)	97.0	15.0		mg/L	04/07/16 13:15	B6D0191	CP1
Method: SM52	10 B		#				
Blochemical Oxygen Demand	271	15	,	mg/L	04/12/16 08:31	B6D0174	ĶJ1

RECEIVED

JUN 3 0 2016



8100 N. Austin Avenue

Morton Grove, IL 60053-3203 P 847.967.6666

800.246.0663 F 847.967.6735 www.emt.com

**Client Sample Results** 

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 001 Grab

Report Date: 04/13/2016

Collection Date: 04/05/2016 14:30

Matrix: Wastewater Lab ID: 16D0116-02

Work Order:

16D0116

**EMT** 

Reporting

Result

Limit Qual Units Date/Time Analyzed

Batch Analyst

On Site Analysis

Method: SM2550-B

Temperature

Analyses

14.1

**°**C

04/05/16 14:30

B6D0292

AR

рΗ

Method: SM4500-H

6.60 0.05 pH Units

04/05/16 14:30

B6D0292 AR

Wet Chemistry

Method: E1664A

Oil and Grease (HEM)

4.00

mg/L

04/08/16 07:30

B6D0169

SA1

Phenolics, Total Recoverable

Method: E420.1 Rev.1978 by Aquachem 0.0516

mg/L

04/07/16 14:11

MB1 B6D0176

RECEIVED

HIN 3 B 2016

www.emt.com



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

16D0116

Client Sample ID: 002 Grab

Report Date: 04/13/2016

Collection Date: 04/05/2016 14:50

Matrix: Wastewater

Lab ID: 16D0116-04

EMT Reporting Date/Time **Analyses** Limit Result Qual Units Analyzed Batch Analyst On Site Analysis Method: SM2550-B Temperature 16.1 °C 04/05/16 14:50 B6D0292 AR Method: SM4500-H рΗ 6.80 0.05 pH Units 04/05/16 14:50 B6D0292 AR Wet Chemistry Method: E1664A Oil and Grease (HEM) 4.79 4.00 mg/L 04/08/16 07:30 B6D0169 SA1 Method: E420.1 Rev.1978 by Aquachem Phenolics, Total Recoverable 0.0336 0.0100 04/07/16 14:11 MB1 mg/L B6D0176

RECEIVED

JUN 30 2016

:							0000					
		Environmental M 8100 Austin Ave	ental Moni in Ave	Environmental Monitoring and Te 8100 Austin Ave	بر	PM; St. Louis ' VASTL	PM: Tim Witzek St. Louis VA Medical Center VASTL John Cochran	mter n	مَ	Page 1 c	of 1	,
V 13 N N N N N N N N N N N N N N N N N N		Morton Grove IL, 60053-3203	3203			Phone: Fax: 847	Phone: 800-246-0663 Fax: 847-967-67-35	m	Ο ¹³	COC Number Lab Work Order number	. Number	1600116
VA, Medical Cent			Project Name VASTL Joh	n Cochran	TO THE PROPERTY OF THE PROPERT			Reque	Requested Analyses.			Requested Turn Around
Michael E. Stogsdill			Project Number [none]	ė.		1664A						· Rush requests subject to
915 N. Grand Ave.			Project Description	ption		::E624	em::					additional charge. Rush requests subject to lab
St. Louis			PO Number 657-C60017	7.		1	HACH					approvat.
MO, 63106			Shipped By			<del></del>	8000					Standard (days)
Phone (314) 372-6973	(314) 894-6557	6557	Tracking Number	)er								S Expedited (days)
		Sampler Signature	ure				M450					Due Date
		1		There are a second seco	Westpoordon-American Common		NAMES OF TAXABLE PARTY				- The second sec	00.11.0102.12.1
Sample Name or Field to		B. (	Sample Type Code		Count	2	2	reserv	reservation (code '7'	7		. adunes
001 Grab	2////	14.65	ر ا	3	4	0	3 1					Comments On the Comments
002 Composite	36	72.77	9 0	3 3	6	4 0	$\dashv$					Sec. 25.
002 Grab	-	CS.71	9 0	3	1 0	2 <	7 .		1			03980
	:					<i>†</i>	7					ONACOER
TO THE THE THE THE THE THE TOTAL THE THE TOTAL			-	7	-	-						
ReinquitypodB		Date/Time R	Received By	NO CONTRACTOR CONTRACT	-	Name of the Control o	Date/Time	Sample KI	Sample Kit Prepared By		eg	Date/Time
Relinquished By			Received By				Date/Time	Comments				
Refinquished By		Date/Time R	Received By	0	C		رغ ا	8ું				
Cooler Numbers and Temperatures	And in the last of	7	<b>b</b>		b		n/Alo					
	**************************************		_	i								

Page 15 of 37



# ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

Ambient Weather 50°C Wind 0-5 Sampler I.D. Sampler Type 116  Battery I.D. Sampling Interval 30 Multiplex Sample Collected At Time/Elow/Storm ICE/Ref:	Arrival Time 12.15  Meter I.D.  Battery I.D.  Reading Level  Total Flow  Primary Device  Maximum Head Height	_ Meter Type
, , , , , , , , , , , , , , , , , , ,	ments	Sampler Start Time 19.22  Sanitary SS Cloudy Clear Milky Oil Film Foamy Flock Sediment Color Other  PH Meter Calibration 7.0 =
15		Grab Time  Grab Time  Grab pH  Grab Temp  Incoming Meters  RECEIVED  JUN 30 2016  DIVISION OF ENVIRONMENTAL COMPLIANCE



847-967-6666 fax 847-967-6735

Client John Kaling	Outfall I.D. Opj	Date 4/5// ₆
Ambient Weather 55°Ch Wind 4-17 L	Arrival Time 1 リン	_Departure Time
Sampler I.D. 4 Sampler Type 15-	Meter I.D.	_ Meter Type
Battery LD 15	Battery I.D.	
Sampling Interval	-	Actual Level
Multiplex	Total Flow	
Number of Samples You Sample Collected At		
Cime/Flow/Storm ICE/Ref:	Maximum Head Height	
Install Service (Pull	Sample Initiation	
	•	
Bottle # Volume Description / Com	ments	Composite Grab
1	<i>f</i>	Sanitary Sanitary
2	/ c, / (j	SS SS
3		Cloudy Cloudy
4,		Olcai Olcai
5		Milky Milky
• 13		
7.	1	Foamy Foamy
8.		Flock Flock
9 / DOF / VIII	V Deve	Sediment Sediment
10.		Color Ma Color 1
11.		Other Other
12.		pH Meter Calibration
13		7.0 = 700
15.		4.0 = <u>4.01</u>
16		$10.0 = \frac{J_{1}J_{2}U_{1}}{U_{2}}$
17		Grab Time 1430
18		1 ,
19		Grab Temp
20		Grab Temp/ '\', /
21		
22		Incoming Meters
23	***************************************	
24.7 7 2 27		
Market to the second		
Client Meter Flow RD	LACTL	
Technician Signature Signature	Date 4/1/4	
Technician Signature	Date	

Page 17 of 37



### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE

847-967-6666

	MORION GROVE, IL 6005		fax 847-967-6735
Client John Coll		Outfall I.D. DOZA	Date 4/4/0
Ambient Weather 50°Cr	∠ Wind (0-3) ✓	Arrival Time 1437	Departure TimeU_U_S
Sampler I.D. 26	Sampler Type15	Meter I.D.	Meter Type
Battery I.D.		_	
Sampling Interval 30	4	Reading Level	
Multiplex com		•	
·	Sample Collected At	Primary Davice	
(inxe/Flow/Storm	(ICE/Ref:	Maximum Head Height	
(install) Service		Sample Initiation	Sampler Start Time 14⅓
Bottle # Volume	Description / Cor		Sanitary
1	A		· •
0	$\sim$ . If $\sim$		Olavada.
3		* * *	\
4.	2000 / My 7	Y)mz_	Mitky
5	,	· \	
7			Flock
8			Sediment
9			
10			Other
			nH Motor Colibration
			7.0 =
	,		
	,		
			Grab Time
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Grab pH
•			Grab Temp
			•
			Incoming Meters
·		•	
			RECEIVED
			JUN 3 0 2016
Client Meter Flow	R[	T./1/	•
Technician / / /	Signature_/	Date 4/ 9//	DIVISION OF ENVIRONMENTAL COMPLIANCE
Technician	Signature	Date	Page 18 of 37

4	
C	
1.C	Ø SEE

Ambient Weather St. L. Wind b. Arrival Time 17:0 Departure Time 15:10  Sampler I.D. Sampler Type 15- Meter I.D. Meter Type  Battery I.D. 9  Sampling Interval 30- Reading Level Actual Level  Multiplex Total Flow Primary Device  Install Service Pull Sample Initiation Sampler Start Time  Bottle # Volume Description / Comments Samilary  1. Clear  3. J/I. Clear  Whitky  5. Oil Film  Foamy  Flook  8. Segiment  Color 12-  Other  10. Other  11. Description   Comments Segiment  Foath Flook  8. Segiment  Color 12-  Other  11. Description   Color 12-  Other  12. Description   Color 12-  Other   Client	Outfall I.D. OOZ	Date 4/5/4	
Sampler I.D.	Ambient Weather 55° Class Wind (0-1)	Arrival Time 16/40	Departure Time 15 1/0
Battery I.D. Sampling Interval 30 Reading Level Actual Level  Multiplex Total Flow Number of Samples 4 U Sample Collected At 144 Sample Initiation Sampler Start Time  Bottle # Volume Description / Comments Sampler Start Time  Bottle # Volume Description / Comments Sampler Start Time  1.	Sampler I.D. Sampler Type 15.0	Meter I.D	Meter Type
Sampling Interval 30 Reading Level Actual Level  Multiplex Total Flow Primary Device  Trime! Flow/Storm   CErRef: Maximum Head Height   Sampler Start Time    Bottle # Volume Description / Comments   Samtlary    1.			
Multiplex Number of Samples VL Sample Collected At Hammary Device Time/Flow/Storm Install Service Pull Sample Initiation Sampler Start Time  Bottle # Volume Description / Comments Sampler Start Time  Bottle # Volume Description / Comments Sampler Start Time  1.			Actual Level
Number of Samples UU Sample Collected At Primary Device  Time Flow/Storm Install  Service Pull Sample Initiation Sampler Start Time  Bottle # Volume Description / Comments Santian  1. 2. 3. 4. 4. 5. Cloud Milky Oil Film Foamy Flock Segtiment Color 10. Other  11. 12. 12. 13. 14. 16. 17. 18. 19. 20. 21. 21. 22. 21. 21. 22. 21. 21. 22. 21. 22. 23. 24. 24. 24. 25. 26. 27. 28. 29. 29. 20. 21. 20. 21. 21. 22. 23. 24. 24. 25. 26. 26. 27. 27. 28. 29. 20. 20. 21. 21. 22. 23. 24. 24. 25. 26. 26. 27. 27. 28. 29. 20. 21. 20. 21. 21. 22. 23. 24. 24. 25. 26. 26. 27. 27. 28. 29. 20. 20. 21. 21. 22. 23. 24. 24. 25. 26. 26. 27. 27. 28. 28. 29. 20. 20. 21. 21. 22. 23. 24. 24. 25. 26. 26. 27. 28. 28. 29. 29. 20. 20. 20. 21. 21. 22. 23. 24. 24. 25. 26. 26. 27. 27. 28. 28. 29. 29. 20. 20. 20. 20. 20. 21. 21. 22. 23. 24. 24. 24. 25. 26. 26. 26. 27. 27. 28. 28. 29. 29. 20. 20. 20. 20. 21. 21. 22. 23. 24. 24. 24. 25. 26. 26. 27. 27. 28. 28. 29. 29. 20. 20. 20. 20. 21. 20. 21. 21. 22. 23. 24. 24. 24. 24. 24. 24. 24. 24. 24. 24	Multiplex	Total Flow	
Maximum Head Height   Sampler Start Time   Sample	Number of Samples <u>40</u> Sample Collected At 1		
Sample   S		<u>-</u>	
Bottle # Volume   Description / Comments   Sanitary	30		
1			
2. 3. 4. 4. Milky 5. 6. 7. Flock 8. 9. 10. 11. 12. 13. 14. 15. 16. 16. 10.0 = \frac{1}{10.1} 15. 16. 17.0 = \frac{1}{10.1} 16. 17. 18. Grab Time \frac{1}{11.5} 19. Grab Temp   6.  21. 22. 23. 24. 24. 25. 26.  Client Meter Flow  Sn  RDL  ACTL  Technician  Signature  Date  Date  Date	Bottle # Volume Description	/ Comments	Sanitary
Clear   Milky	1	<u> </u>	. ss
Milky   Oil Film   Foamy   Flock   Segiment   Color   Film   Foamy   Flock   Segiment   Color   Film   Foamy   Flock   Segiment   Color   Film   Color   Film   Foamy   Flock   Segiment   Color   Film   Foamy   Film   Flock   Flock   Segiment   Flock   Segiment   Flock   Flock   Flock   Segiment   Flock   Flock   Segiment   Flock   Flock   Flock   Segiment   Flock   Flo	2.		Cloudy
5. Oil Film Foamy Flock Segiment Cotor アル Other 10. Other 11. 12. 13.	3	1-1-1	Clear
Foamy Flock Segiment Color 1 C	4	1	Milky
Flock  8. Sediment  Color 1  Other  10. Other  11. PH Meter Calibration  7.0 = 7.22  4.0 = 4.21  15. 4.0 = 4.21  16. 10.0 = 10.21  17. Grab Time 14.52  18. Grab pH 16.5  19. Grab Temp 16.1  20. 21. Incoming Meters  Client Meter Flow  Signature  Signature  Date  Date  Date	5		Oil Film
8.	1		Foamy
9.	7		
10. Other  11. 12. 13. pH Meter Calibration  7.0 = 7.2. 14. 4.0 = 4.2.1  16. 10.0 = 10.2.1  17. Grab Time 14.5.2  18. Grab pH 6.3  19. Grab Temp 16.1  20. 21. 22. Incoming Meters  Client Meter Flow Sn RDL ACTL  Technician Signature Date  Fechnician Signature Date  Signature Date		. 1	17.00
12. 13. 14. 15. 16. 10.0 = \frac{10.0}{10.0}.  17.  18.  19.  19.  20.  21.  22.  21.  22.  Client Meter Frow Sn RDL ACTL Technician (ACTL) Technician (ACTL	9.		
12. 13. 14. 15. 16. 10.0 = \frac{10.0}{10.0}.  17.  18.  19.  19.  20.  21.  22.  21.  22.  Client Meter Frow Sn RDL ACTL Technician (ACTL) Technician (ACTL	10.	Ala Fra	Other
13.		31 11	
14.			nH Meter Calibration
15.			· · · · · · · · · · · · · · · · · · ·
16.			,
Grab Time 1450  18.  19.  20.  21.  22.  23.  Client Meter From Sn RDL ACTL Technician Signature Date Signature Date Signature Date			,
18. Grab pH 6/3  19. Grab Temp 6    20. Incoming Meters  Client Meter From Sn RDL ACTL  Technician Signature Date 4/5 4  Technician Signature Date			
Grab Temp   6.    20.			. , , , , , , , , , , , , , , , , , , ,
20. 21. 22. Incoming Meters  23. 24. 25. 25. 26. 26. 26. 26. 26. 26. 26. 26. 26. 26			Grab pH <i>b</i> · S
Incoming Meters  21.			Grab Temp   6.
Incoming Meters  23.  24.  Client Meter From Sn RDL ACTL  Technician Signature Date  Signature Date  Date			
Client Meter Fram Sn RDL ACTL  Technician Signature Date  Signature Date			Incoming Meters
Client Meter From Sn RDL ACTL  Technician Signature Date 45 4  Technician Signature Date			
Client Meter From SnRDL ACTL			
Technician Date 45 4  Signature Date Date United Date Date Date Date Date Date Date Date	TO IVE BUILD		
Technician Date 45 4  Signature Date Date United Date Date Date Date Date Date Date Date	86. 56.30	•	
Technician Date 45 4  Signature Date Date United Date Date Date Date Date Date Date Date	Client Meter From Sn	_ RDLACTL	
Technician Date		Date 4/5/4	
	A CONTRACTOR CONTRACTOR		



#### Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

June 15, 2016

Mike Stogsdill
Pipe Shop Supervisor
VA MEDICAL CENTER
915 N. Grand Blvd.
St. Louis, MO 63106

Re: Discharge Permit No:

1008545900 - 2.1

For premise at:

915 N. Grand Blvd.

St. Louis, MO 63106

Dear Mr. Stogsdill:

The Metropolitan St. Louis Sewer District Wastewater Discharge permit for the above premise expires on <u>January 31, 2017</u>. Under the terms of the permit, you must apply for renewal at least 180 days prior to the expiration date.

We have enclosed an Industrial User Questionnaire form and instructions. You also may download an electronic version from MSD's website at www.stlmsd.com. This questionnaire serves as your permit application. Please complete and return the questionnaire to us no later than <u>August 1, 2016</u>. You may skip Section H of the questionnaire. Please retain a copy for your files.

We will use the questionnaire and our records on your facility to prepare a draft permit. The draft permit will be sent to you for comment, prior to sending a final permit.

We appreciate your cooperation and support in helping us to comply with the federal regulations. If you have any questions or need assistance in completing the questionnaire, please contact me at 314.436.8756.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

Enclosures: IUQ form, instructions

cc: Doug Mendoza Dave Kupke

## METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

•		1	008-5	54.	59-00	$\bigcap$	•	
PART I: IDENTIFYING INFORM	MATION	. <i>l</i>		1 -	7.1.00			
Company Name: VA MEDICAL CEN	TER /							
Permit No; 1114046000-2	Effective I	Date	: 02/01/2012		Evniratio	n De	ate: 01/31/20	47
Premise Address: 915 N. Grand Blvd.					CAPITALIC	אוו טכ	ate, 01/31/20	117
Monitoring Period: ZJAN-MAR)	)		APR-JUNE)		□(JULY-SE	=DT\	- E1/O	OT DEOL
Samples Collected By: En Vina	20 me	12+	al Mr	4. ٦	-012 D20	12	11(U	CT-DEC)
Analyses Performed By: EMT			101	1/-1	010117	1-6-1	CD 1/10	-
PART II: ANALYTICAL RESULT	rs of se	ELF	MONITORING	3		<u></u>		
MSD SAMPLE POINT REFERENCE NUMBERS	⇔	T	001	T	202			
DATES ON WHICH SAMPLES WERE COLLECTED	⇔	0	121/16	0	90 2	lacksquare	· ,	
TIMES AT WHICH SAMPLES WERE COLLECTED	₽	<u> </u>	12:45	01	12,166	╂		-
	T	1		VDE C	10.0 11.00 51.4		-2.5	-
PARAMETER	LIMIT		( G=grab, C=cor	nposite	(G, C, M OR E) A M=measured flow, t	ND RE E≠estim	:SULTS BELOW lated flow.)	UNITS
FLOW			84,000	E	25,000	E		gallon
BOD			109	6	108	C		mall
COD			279	C	305	7		25/1
Oiland Grease T			6.84	G	5.93	G		ing/L
TSS			67	2	160	ی ا	,	1816
Temp			17.9	6-	16-9	G	,	111916
PH			7.90	G-	8.16	G		PHUNG
Total Phenois			0.0649	<u> </u>	0.069	G		7
					0.0001	.6		Ing/L
	·i							
,			`					
			· · · · · ·					
				$\dashv$				
								·

You must complete and sign the certification statements on the second RECEIVED

MAR 3 1 2016

## INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

--- NONE ---

PART IV: GENERAL CERTIFICATION STATEMENTS

$\cdot \lceil$	B DISCHARGE MONITORING REPORT CERTIFICATION
	All permittees must sign and complete the information below:
The second se	I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted information, including the possibility of fine and imprisonment for knowing violations.  Print or type name of signing official:  M.C.L.C. STOCO.
	Title: Prise 5 hop Superior 302 Telephone: 56450 Signature: Michael 2003 Add 2003 Ad
<u>.</u>	Date: 3-21-16

RECEIVED

APOS ! E SAM

DIVISION OF ENARCHENTE

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	== \$ 200mm@E KEPOKI
Company Name: VA St. Louis	Heathcare System
Permit No:	1951001
Premise Address: 915 N. Crand	blvd. St. Lovis, mo 631010
Reporting Period: (JAN-MAR) O(AF	PR-JUNE) $\Theta$ (JULY-SEPT) $\Theta$ (OCT-DEC)
PART II: RECORD OF DISPOSAL OF RADIOACT	
RADIONÚČLÍDÉ  AVVI AL	ACTIVITY DISCHARGED (millicuries)
ANT TILE	Ø
,	
TOTAL ACTIVITY DISCHARGED:	8
PART III: CERTIFICATION STATEMENTS	
Place your initials in the how under item	A.:
Everyone must complete the information und	er items A & B and sign this report.
A. CERTIFICATION OF COMPLIANCE WITH STAT	
I certify that to the best of my knowledge and 19 CSR Part 20-10.090 governing disposal regulated by the Nuclear Regulatory Commission tively, have been met for the period covered by	belief, all requirements of 10 CFR Part 20.2003 by release into sanitary sewage for material n and the Missouri Department of Health, respec- by this report.
8. RADIOACTIVE MATERIALS DISCHARGE REPOR	
I certify under penalty of Law that this document an direction or supervision in accordance with a system properly gather and evaluate the information submitt persons who manage the system, or those persons dire the information submitted is, to the best of my know I am aware that there are significant penalties for possibility of fine and imprisonment for knowing vio	d all attachments were prepared under my designed to assure that qualified personnel ed. Based on my inquiry of the person or ctly responsible for gathering the information, ledge and belief, true, accurate, and complete.
Print/type name of signing official:	Gary L Hall
ritle: Radiation Safety Officer	Telephone: BHIG52-HUB CEPNED
Signature: Sang L. Half	Date: 2/3/10
	rad MAR° 3 1/02016



ENVIRONMENTAL COMPLIANCE

## ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC.

8100 N. AUSTIN AVENUE

847-967-6666

	( ) ( o	MONNON GNOVE, IL Q	වැමැතිජා	रिक्त हिस्सी विश्वविद्यातिक	
Sampler I.I. Battery I.D. Sampling II Multiplex	reather 30° Cloud	Sampler Type	Arrival Time	Meter Type	
	•	Sample Collected At	-		
Jime/Flow/	/Storm	ICE/Řef:	Maximum Head Height	•	1353
Install	Service	Pull	Sample Initiation	Sampler Start Time	
Bottle #.  1			Comments		<u>Grab</u> Sanitary SS
<b>23</b>					_Cloudy
4		DD //14mJ 2		Clear Milky Oil Film Foamy Flock Sediment Color Other  PH Meter C 7.0 = 4.0 = 10.0 = Grab Time Grab pH Grab Temp	
				• • •	eters
24. Client Me	ter Flows		_ RDLACTL Date Date	<u>wl</u> (L	Page 15 of 22



Client	John Ch.	Vi and					<b>.</b>
		Wind (0 5)	1.7	Outfall I.D.	14 EV	Da	ite 1/2/16
Sampler I.	D. 44	Sampler Tues	<u></u>	_ Arrival Time_	13:30	_Departure Time_	1348
Battery I.D	). 3(	Sampler Type_	1500	Meter I.D	-	_Departure Time_ _Meter Type	
Sampling I				Battery I.D			\
Multiplex_				Reading Leve		Actual Level	
	Samples 42			Total Flow	*		
Time/Flow/			d At 1340	Primary Device	ē		
Install		ICE/Ref:		Maximum Hea	d Height		
ii iotali	Service	(Edil		Sample Initiation	on	Sampler Start Tim	e
Bottle #	Volume	Desc	ription / Comm	nents		Composite	<u>Grab</u>
2.	Ć	1 0			***************************************	Sanitary	Sanitary
3	) (	not Pt Cont	- /2-			SS	SS
4	***************************************	+	······································	***************************************	***************************************	Cloudy	Cloudy
5		to.	C 2	***************************************		Clear	Clear
6		1 Chy	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		À	Milky	Milky
7,	***************************************	***************************************				Oil Film	Oil Film
O						Foamy	Foamy.
9		St Dun	الالا	Equi. /	*****************	Flock	Flock
			\	,		Sediment	Sediment
• • • • • • • • • • • • • • • • • • • •	***************************************	******				Color	Color /2
14						Other	Other
10			************			pH Meter Ca	alibration
[ ***			******************************	******			201
13		***************************************	***************************************			4.0 =	4-41
17	***************************************			***************************************	********	10.0 =	10.01
· //	***************************************		*************	******		Grab Time ⊥	. /
19			*************************		*************	·	~ .
20					······································	Grab pH	
, , , , , , , , , , , , , , , , , , , ,	***************************************		•••••••••••••••••••••••••		***************************************	Grab Temp_	17.7
22.	***************************************		***************************************	***************************************	**************		
23						Incoming Me	ters
24						RECEI	VED
Client Meter	Floyy	Sn	RDL _	ACTI		MAR 3 1	2015
echnician_/	4 Km (	Signature		Date_	1/4/11	DIVISION	V OF
echnician_	1 🗸	Signature		Date_ Date_	<u> </u>	ENVIRONMENTAL	COMPLIANCE
		•	***************************************				Page 16 of 22



# ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

	outon-	Outfall I.D	Date	1/20/16
Client John C		Arrival Time 14,06	Departure Time	
Ambient Weather 27 Clum	Wind $(0-5)$ $\sim$	Meter I.D		
Sampler I.D.	_ Sampler Type		•	Annual Control of the
Battery I.D.		Battery I.D.		
, ,	vi~CC	Reading Level		
Multiplex		Total Flow		
Number of Samples		Primary Device		
Fime/Flow/Storm	(ICE/Ref:	Maximum Head Height _		47.00
Install Service	Pull	Sample Initiation	Sampler Start Time	, 1400
Bottle # Volume	Description / C	Comments	Composite	<u>Grab</u>
1			Sanitary	Sanitary
2			\ SS	SS
.3	SUD (VA-)	Mmyk	Cloudy	Cloudy
				Clear
5			Milky	Milky
6			Oil Film	Oil Film
7,				Foamy
			Flock	Flock
9				Sediment
				Color
				Other
			ne Merer i	Calibration
			Α0	ngo Oud <u>suppression</u> ionnello
			4.0	
15			10.0	<del> </del>
16.			Grab Time	
•••			•	
20.			Grab Temp	)
			· ·····	
22.			Incoming f	<b>Meters</b>
			13111	
			<b>:</b>	
Z				
Client Motor Flow	-8m	RDLACTL		
Client Meter Flow		Date	20/14	
Technician - With Work	Signature/ Signature	Date		
Technician	Juliaine			



Client	John	Colon	Outfall LD 22	ELL_	la . h.
Ambient \	Weather <u>చిన</u> ి	Vind (0.5)W		Dal Dal	*
	· ·	Sampler Type 15~	· · · · · · · · · · · · · · · · · · ·		1,10
•			Battery I.D.		NAME OF THE OWNER OWNER OF THE OWNER O
				Actual Level	Account of the second of the s
·	1 4	*	Total Flow		
	Ambient Weather 3 Clar Wind 6 S) Arrival Time 1 4 Departure Time 2 Departure Time 3 Departure Time 3 Departure Time 4 Departure Time 4 Departure Time 5 Departure Time 5 Departure Time 5 Departure Time 6 Departure Time 6 Departure Time 6 Departure Time 7 Departure Time 7 Departure Time 7 Departure Time 7 Departure Time 8 Departure Time 8 Departure Time 9 De			Account of the second of the s	
		ICE/Ref:			
Install	Service	Pul	Sample Initiation	Sampler Start Time	9
Bottle #			omments		
2		6 1 06 11			Sanitary
3		798 16 Cala	1261		
4			, dan		Choudy
5			7	Oleai	
6		10.~n 5		13111173	
7		*		On a first	
8				r vality	
<b>3</b>	······································	with from from from	U gues	Sodimont	
IV			V	( ) E	)
17			***************************************	0:10:10	
12	••••••••••••••••••••••••••••••••••••••	••••••••••••••••••••••••••••••••••••••			Offici
14				pH Meter Ca 7.0 =	
15		**************************************		4.0 =	4.01
16 17	,,,,,,,,		***************************************		11/14
46	•••••••••••••••••••••••••••••••••••••••			Grab Time _	1355
					8.1
20				•	16.9
				. Orab temp	<del></del>
22					
23	*******************************			incoming Me	ters
24			<u>.</u>	RECI	EIVED
Client Meter		SnRD	DLAGTL	MAR	3 1 2016
Technician ₇		Signature(	Date 1/4/16	nivis	SION OF
Technician_	· · · · · · · · · · · · · · · · · · ·	Signature	Date	ENVIRONMEN	ITAL COMPLIANC
				<b>100</b>	Page 18 of 22



16A0155

8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

Client Sample Results.

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

Client Sample ID: 001 Composite

Report Date: 01/29/2016

Collection Date: 01/21/2016 12:40

Matrix: Wastewater Lab ID: 16A0155-01

			Lab ID: 10A0133-01					
Analyses	Result	EMT Reporting Limit Q	ual Units	Date/Time Analyzed	Batch Analys			
Wet Chemistry								
Method:	HACH 8000							
Chemical Oxygen Demand (COD)	27.9	10,0	mĝ/L	01/26/16 13:20	B6A0766 LS3			
Method:	SM2540D							
Suspended Solids (Residue, Non-filterable)	67.0	15.0	mg/Ľ	01/26/16 13:35	B6A0770 TB2			
Method:	SM5210 B							
Biochemical Oxygen Demar	id 109	15	mg/L	01/28/16 07:29	B6A0676 DN1			

RECEIVED

DINIGION OF UNION SERVICE AND CONTRA NO CONTRA



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735

www.emt.com

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 001 Grab

Report Date: 01/29/2016: Collection Date: 01/21/2016 12:45

Matrix: Wastewater

Lab ID: 16A0155-02

Work Order:

16A0155

**EMT** 

Reporting Qual Units Limit.

Date/Time

Analyzed

Batch Analyst.

On Site Analysis

Method: SM2550-B

Temperature'

**Analyses** 

17.9

Result

°C

01/21/16 12:45

B6A0824

AR

рΗ

Method: SM4500-H

7.90

0.05

pH Units

01/21/16 12:45

B6A0824

AR

Wet Chemistry

Method: E1664A

Oil and Grease (HEM)

6.84

4.00

mg/L

01/28/16 07:30

B6A0780

SA1

Phenolics, Total Recoverable

Method: E420.1 Rev.1978 by Aquachem 0.0649

0.0100

mg/L

01/26/16 14:35

B6A0746

MB1

experts at providing environmental testing solutions water · soil · waste · product · sampling



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 E 847.967.6735 www.emt.com

**Client Sample Results** 

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 002 Composite

Report Date: 01/29/2016

Collection Date: 01/21/2016 12:50

Matrix: Wastewater

Lab ID: 16A0155-03

Work Order:

16A0155

Analysės	Result	EMT Reporting Limit Q	ual Units		 Date/Time Analyzed	Batch	Analyst
Vet Chemistry							
Method: HACH	1 8000			•			
Chemical Oxygen Demand (COD)	305	10,0	mg/L	•	01/26/16 13:20	B6A0766	LS3
Method: SM25	40D						
Suspended Solids (Residue, Non-filterable)	160	15.0	mg/L		01/26/16 13:35	B6A0770	TB2
Method: SM52	10 B						
Biochemical Oxygen Demand	108	15	mg/L		01/28/16 07:29	B6A0676	DN1



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

#### **Client Sample Results**

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

16A0155

Client Sample ID: 002 Grab

Report Date: 01/29/2016

Collection Date: 01/21/2016 12:55

Matrix: Wastewater

Lab ID: 16A0155-04

Analyses	Result	EMT Reporting Limit Qua	ıl Units	Dátě/Time, Analyzéd	Bätch	Analyst
On Site Analysis					Minimulananananananananan	
Method: SM2550-l	3					
Temperature	16.9		°C	01/21/16 12:55	B6A0824	AR
Method: SM4500-l	1	<i>,</i> .	······································			
рН	8.10	0.05	pH Units	01/21/16 12:55	B6A0824	AR
Wet Chemistry				, , , , , , , , , , , , , , , , , , ,		
Method: E1664A						
Oll and Grease (HEM)	5.93	4.00	mg/L	01/28/16 07:30	B6A0780	SA1
Method: E420.1 Re	ev.1978 by	y Aquachem				
Phenolics, Total Recoverable	0.0669	0.0100	mg/L	01/26/16 14:35	B6A0746	MB1

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL FACILITY INSPECTION REPORT

	pany:VA Medical Centèr ise Address:915 N. Grand Boulevard			Zip Code:	1008545900 63106	
MSD	Classes: SIU ⊠ Non-Significant CIU ☐ Toxics-Bearing Waste ⊠ No Process I	CIU 🗌 Discharge 🔲	Surcharge [] Multi-I		: Process Wate Special Handli	
	pany Representative: Mike Stogsdill		- Contraction of the Contraction			
Title:			P	hone#: <u>314</u>	-289-6450	
Inspe						
	rs Present: <u>None</u> ction Date: <b>2/23/16</b> Time: From <u>09:4</u>	IG AM To	11:32AM	(Last Ins	sp. <u>2/12/</u> :	15)
iiispe	2/23/10 1111C. 110111 03:4	10 AM	11.02/(14)	(2056 1115	. <u> </u>	<u>19</u> /
NOTE:	ALL ITEMS ARE TO BE COMPLETED BASED ON EVENTS SINCE PROVIDED BY COMPANY DURING INSPECTION, AS WELL AS II			ARE BASED ON I	INFORMATION	OBTAINED OR
	*** DATABASE ALSO UPDATED WITH APPRO	PRIATE CHA	NGES - see atta	ched database r	eports ***	
1.	A. ARE THERE ADDITIONAL NON-STORMWATER AC	COUNT NUM	ABERS?			Yes⊠ No□
	List them, note any changes: A secondary ac					
	*		~~~~	floor and stora		
	<u>1030797900 (pi</u> pending.	remise numi	oer 1030/9/9 A	ccount number	1045821). 11	ne account is
	B. Were any changes (including to the primary or c	hanges only	to suffixes) for a	acct no's with RF	s? NA	Yes No
	C. If yes to B, was Cost Recovery Unit informed of t				NA	
	D. Did all acct no's have water usage on PIMS?					Yes□ No⊠
	E. If no to D, explain: Add drivers license to imp	ort water us	age data for the	new property.	Vou	•
2.	PROCËSSES & CLEANUP/WASHDOWN:	Cont/ Batch?	Water/Liquio Used?		Frequency e disposed?)	Sample pt.
	Hospital Waste	Cont	Yes	daily	e disposed: j	SP001,
	nospital waste	Com	163	dany		SP002
	Kitchen Waste	Batch	Yes	daily		SP001
	Boiler blowdown	(None)	Yes .	daily		SP001
	Lab waste-Diagnostic Labs (See comments)-Animal	Batch	Yes	daily	•	SP001,
	Cage wash has been removed				<u> </u>	SP002
	NCCW-Autoclaves	Batch	Yes	daily		SP001 SP001,
	Rejection/Regeneration	Batch	Yes	daily		SP001, SP002
	Cooling tower Blowdown	Batch	Yes	daily		SP001,
	cooming tower blowdown	Duten	165	uun,		SP002
		(None)	N/A			
						· · · · · · · · · · · · · · · · · · ·
3.	PRETREATMENT (other than grease traps) - describe:	DECENCE SERVICE OF THE PROPERTY OF THE PROPERT				ample pt.
	pH Adjustment/Neutralization			<u></u>	SF	P001, SP002
4. If yes	DOES COMPANY HAVE ANY GREASE TRAPS? : A. List sample points: <u>SP001</u>					Yes⊠ No□
	B. What is the frequency for cleaning & maintenan	nce? <u>2 Tim</u>	ies yearly			
	C. Are any additives used in traps?	black				Yes No
	D. If yes to C, was company warned MSD will bill, them for					Yes⊠ No□ Yes⊠ No□
	E. Was company informed that MSD performs separate	grease trap III	spections:			I ESKA IAOL

Inspection report

5. If yes:	HAS COMPANY CONSTRUCTED NEW BLDGS/ADDITIONS WITH SEWERS SINCE LAST INSPECTION?  A. Ask company: Did they notify MSD's Plan Review group?  B. If no or unknown, has inspector notified Plan Review group?  C. Comments:	Yes No
6. If yes:	HAS COMPANY BEGUN DISCHARGING ANY NEW POLLUTANTS SINCE THE LAST INSPECTION?  A. List pollutants & process:  B. Will MSD STP exceed existing NPDES discharge limit(s)?  C.: Will MSD STP's discharge exceed 0.1 mg/l for any new pollutant?  (MSD must notify MDNR if B or C is yes and discharge will continue [40CFR122.42(b)].)  D. Comments:	Yes No Yes No Yes No
7. If yes:	ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS THAT ARE "NOT APPLICABLE"?  (including those that are 'No PSES' and 'General Stds Only')  A. List regulation & describe operations (including any discharge):  40 CFR 460 N/A-Hospital Waste and patient care services  B. Explain why it is N/A: This subpart has not been promulgated.	Yes⊠ No□
8. If yes:	ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS SUBJECT TO DISCHARGE LIMITS?  A. List regulation & describe operations (including any discharge):	Yes No
If yes to	<ul> <li>B. Is maximum daily categorical discharge ≤ 100 GPD? (includes batch discharges)</li> <li>B. C. Batch or Continuous? Volume verified how?</li> <li>D. Does company ever discharge untreated, concentrated categorical wastewater?</li> <li>E. Was company in SNC during any part of the previous 24 months?</li> <li>F. Date of last NSCIU Certification Statement: or not currently NSCIU</li> <li>(If no to B, yes to D or E, or Cert. Statement not submitted as required, company is not eligible to be</li> </ul>	Yes No Yes No No Yes No
9. If yes:	HAS COMPANY CERTIFIED TO THE ABSENCE OF SPECIFIC CATEGORICAL POLLUTANTS?  (New certification also is required for each permit renewal)  A. Certification date:  B. Pollutants accepted by MSD as absent:  C. Were any requested "absent" pollutants rejected by MSD?  If no to C:  D. List them and explain why:  E. Were all the accepted pollutants non-detect in all monitoring since certification was approved?  (If compared to intake water levels, explain details below)  If no to E:  F. Explain:  G. Does Wastewater Discharge Permit need to be updated to remove detected pollutants?  H. Comments:	Yes No Yes No Yes No Yes No
10. If yes:	DOES CATEGORICAL WASTEWATER COMBINE WITH NON-CATEGORICAL WW PRIOR TO SAMPLING?  A. At which points?  B. Current applied factor:  C. If no, list correct factor/explain?  Is it correct?	Yes No
11. If yes:	IS ANY WASTEWATER SUBJECT TO PRODUCTION OR MASS BASED STANDARDS?  A. At which points?  B. Since calculation of the current limits, has the long term avg production rate or discharge volume changed by 20% or more?  C. If yes to B, explain:	Yes No

12.	. ARE ANY RADIOACTIVE MATERIALS HANDLED?										
If yes:	Α.	Describe opera	tions & disposa	l: <u>Radioiso</u>	topes use	ed for diagnostic purposes discharged throught	excretia which is				
				allowed	through e	xcretia.	•				
	В.	If non-exempt	& disposed to s	ewer, does c	ompany s	ubmit quarterly reports to MSD? N	A□ Yes⊠ No□				
		(If No to B, writ	te company & r	equire quarte	erly repor	ts of discharge to sewer – or have permit revised	as needed)				
	C.					endar quarters: <u>0</u>					
	D.:		-			er use ordinance prohibition?	Yes⊠ No□				
				•							
13.	DOE	S COMPANY GEI	NERATE WASTE	S/WASTEWA	TER BY GE	NETIC ENGINEERING RESEARCH?	Yes□ No⊠				
If yes:		Does company					Yes No				
•		If yes, describe	-								
		Does company		norization for	disposal t	to sewer?	A Yes No				
		Most recent au			•						
14.	DOE	S PROCESS or P8	LE WASHDOWN	WATER USE	APPEAR E	EXCESSIVE?	Yes No⊠				
		OMPANY USING									
	Α.						•				
						ages. Note that a signficant portion of the con	nes from Hospital				
						wer and boiler operations, Lab waste.					
15.	BASI	D ON OBSERVA	TIONS DURING	INSPECTION,	DOES CO	MPANY APPEAR TO HAVE SOME WATER THAT IS	Yes⊠ No□				
_		DISCHARGED TO		·							
If yes:	Α.	Describe: E	vaporative loss	from the boil	er and co	oling tower system					
,	В.	Was "Return Fa					Yes⊠ No□				
		(regardless of v	whethe <u>r some v</u>	vater is not d	ischarged	to sewer)	•				
		·				•					
16.	HAŚ	COMPANY BEEN	GRANTED A V	ARIANCE FRO	M DISCH	ARGE LIMITATIONS CONTAINED IN THE SEWER	Yes□ No⊠				
	USĖ	ORDINANCE?					•				
If yes:	A.	Pollutant(s) and	<u>d</u> variance limit		•						
	В.	Latest approva	l date:	·			·				
	C.	Is the approved	d variance more	than 5 years	old?		Yes No				
		(If yes to C, a n	ew variance mu	ist be reques	ted – <u>writ</u>	e company)					
						·					
17.	HAV	E ANY NUMERIC	AL LIMITATION	S BEEN APPL	IED TO CO	MPANY, IN ADDITION TO THOSE ALREADY	Yes ☐ No 🔀				
	CON	TAINED IN THE S	SEWER USE ORI	DINANCE?							
If yes:	A.	Pollutant(s) and	<u>d</u> discharge limi	it:							
	В.	Date originally	applied:	, or as par	t of varian	ce above?					
18.						SINCE LAST INSPECTION	Yes No⊠				
	OR V	VITHIN THE LAST	Γ 12 MONTHS (								
If yes:	Α.			Sample	Is prob	lem resolved?					
	Pol	lutant	When	Points	Y/N	Describe					
					N/A						
					N/A						
		,			N/A						
					N/A		,				
	<b>-</b>				N/A						

B. Comments:

19.	HAS COMPANY EX				LIMITS SINCE THE LAST		NA[≥	Yes No
If yes:	A.	TITIIIV EAST 12 IVIC	Sample	-	lem resolved?			
11 y C 3.	Pollutant	When	Points	Y/N	Describe			
•	!			N/A				wakati wa muutuu kana kana kana kana kana kana kana ka
			<del></del>	N/A				
				N/A				
				N/A			***************************************	
				N/A				
	B. Comments:			<u>, , , , , , , , , , , , , , , , , , , </u>	<b>I</b>			
20.	HAVE THERE BEEN	I ANY PROBLEM D	ISCHARGES S	SINCE LAS	r inspection?			Yes⊡ No⊠
If yes:	A. Upsets?	Bypass	es of pretrea	tment fac	ilities?			
	Spills?	Slug dis	charges?		Other?			
	B. Explain any r	marked:						-
21.	COULD SPILLS OR	LEAKS OF ANY PRO	CESS TANKS	, OR STO	RAGE TANKS, OR STORED V	VASTES, OR ST	TORED	Yes□ No⊠
	CHÉMICALS EASILY		SEWERS OF	STORM I	DRAINS?			
If yes:	A. What needs	to be done?						•
If no:	B. How are the	y controlled?			•			
	The lab solve	ents and reagents	are kept in th	ne approp	riate cabinets.			
22.	BASED ON OBSERV	ATIONS DURING	` INSPECTION,	ARE THE	RE ANY AREAS WHERE CON	ΛΡΑΝΥ ACTIVI	TIES	Yes□ No⊠
	APPEAR TO IMPAI	R STORMWATER F	UNOFF?					
If yes:	A. Describe:			•				
	B. What needs		ANNEXA					
		tormwater Discha	-	_	o company?			Yes⊠ No□
	( <u>regardless o</u>	of whether there a	re any proble	em areas)				,
23.				E CONTRO	L (INCLUDES SPILLS) PLANS [4	OCFR403,8(f)(	[2)(vi)]?	Yes⊠ No□
If yes:	A. Title (a	ctual title, NOT "S	PCCP")				Last Updat	е
`	1. SPCCP	1874			and the state of t		11/97	
		ntrol Plan				A	10/15/14	
	B. Were Plans r (must be dor	•	leteness, esp	pecially re	garding batch discharges/s	slugs and Q.19	)/20/21?	Yes⊠ No□
			g Plans? (If ye	es, write c	ompany & require)			Yes□ No⊠
	D. Are any Plan	s needed (either ii	addition to	those list	ed in Part A, or if there cur	rently are no	written	Yes□ No⊠
•	control plans	s)? ( <u>If yes, write co</u>	mpany & red	quire)				
•	E. Explain why/	why not for C or E	): <u>VÁ Med</u>	l Center h	as established a Slug Contr	ol Plan for its	facility. I ha	ve enclosed
			this pla	n as part o	of the inspection.			
24.	DOES COMPANY H		NANCE SHOP	PARTS W	/ASHERS?			Yes□ No⊠
If yes:	A. Parts washer					ı		
		tants (or "none"):				•		
	•	solvent disposed				_		
	(These solvent	s are not included in	n database's p	riority poll	utants list, nor monitored for	unless conditio	ns show pote	ntial discharges)

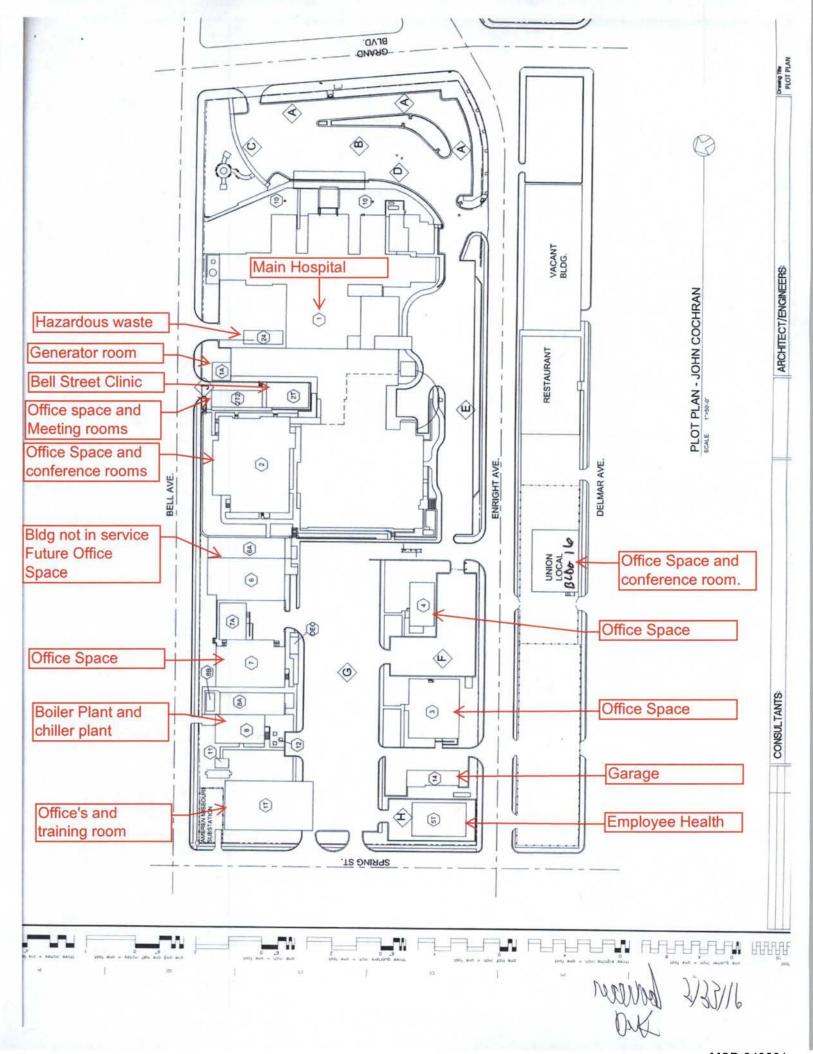
25.	ARE ANY ORGANICS OR SOLVEN	ITS USED (OTHER THAN IN PAR	TS WASHERS)?		Yes No
If yes:	A., Solvent name/		413/433/469		Priority
	components	Used for?	Process?	How disposed?	Pollutant?
	Phenol	sanitation agent	Yes□ No⊠	evaporates	Yes⊠ No□
	Toluene	lab reagent	Yes No	" hauled offsite	Yes No
	Alcohols, Xylene (distilled	lab reagnet	Yes ☐ No 🔀	evaporates or hauled	Yes No
	and reused)			. offsite	
			Yes No		Yes No
			Yes No		Yes No
			Yes No		Yes No
26.	DOES COMPANY HAVE A 413/43	33/469-REGULATORY "SOLVEN"	T MANAGEMENT PL	AN"?	Yes□ No⊠
	(Applies if co. has 413/433/469				
If yes:	A. Is it part of a Spill/Slug Cor	ntrol Plan listed above?		Yes[:	1.
	B. If no to A, date of last upd	ate for SMP:			
	C. Is there a copy of the Spill,				Yes No
		'433/469 solvents? (or verify "n			Yes No
	(If no to C or D, write com	pany and require submittal and	l/or update)		
					. <b>.</b>
27.	ARE EMERGENCY NOTIFICATION				Yes⊠ No□
		otification cards & told to post v	where emergency re	sponse personnel can	Yes⊠ No□
	locate them?	nerates process wastewater or s	staras chamicals of	concorni	
	(Must post il company ger	ierates process wastewater or s	stores chemicais or i	concern)	
28.	IS COMPANY REQUIRED TO SELF	MONITOR ANY OF THEIR DISC	HARGES?		Yes⊠ No□
If yes:	A. Is requirement contained i				.63670
11 703.	B. If other document, date &				
	C. How frequently is sampling				
	D. How frequently are report	<del>-</del>			
		e, complete & signed by proper	person?	•	Yes⊠ No□
	F. If no, explain:			,	
29.	DOES COMPANY SELF-MONITOR				Yes⊠ No□
If yes:	A. Does sample collection time	•	n shifts?	•	Yes⊠ No□
i	B. Are representative grab/co				Yes⊠ No□
	• •	136 wastewater test methods i	used?		Yes⊠ No□
	D. Does company measure pl			·	, Yes No⊠
		show equipment and procedu	re (meters, calibrati	on stds, etc.).	v
		erformed properly?			Yes No
	F. If no to A,B,C, or E,	<u> </u>		i e	
	explain needed changes:				
30.	DOES COMPANY CONTINUOUSL	Y MONITOR AT SAMPLE POINT	AND		Yes□ No⊠
50.	KEEP A PERMANENT RECORD FO		2 11 T Sar		. COL. 110KA
If yes:	A. At which SPs?	···· Ի· · []/ ۱ - · · · ·   []/ ۱ - ۱ - ۱ - ۱ - ۱ - ۱ - ۱ - ۱ - ۱ - ۱	•		
,		S "alert only"? (If not, change	to that & make note	e:)	Yes No
	C. Does company submit qua				Yes No
	D. If no, explain:				- <del>-</del>

31.	DOES MSD SPLIT SAMPLES WITH THE COMPANY?		Yes□ No⊠
If yes:	A. Is company having the samples analyzed		Yes No
	B. How does company insure proper preservation, holding times & analysis	ytical methods?	
	C. Has company submitted results of all split sample analyses single	ce the last insp?	Yes No
	D. Have results been submitted within 28 days of the collection's		Yes No
3	E. If no to C, or D, explain:	·	
	F. Does company still want to split samples?	· ·	Yes No
	G. Comments:		•
22	IS COMPANY REQUIRED TO REGULARLY SUBMIT ANY REPORTS OTHI	ED THAN SELE MACHITOPING DEDOTS?	Yes⊠ No□
32. If yes:	A. Is requirement contained in permit  or other document		res 🖂 No 🗀
11 , 03.	B. If other document, date & description:	· 🗀 ·	
	C. What is required to be reported? Radiation Discharge	e Report	
	D. How frequently are reports required? <u>quarterly</u>		
	E. Have reports been on-time, complete & signed by proper pers	on?	Yes⊠ No□
	F. If no, explain:		
33.	IS COMPANY UNDER ANY ENVIRONMENTAL ENFORCEMENT ORDERS	S OR REQUIREMENTS TO SÜBMIT	Yes□ No⊠
	COMPLIANCE SCHEDULE REPORTS?		·
If yes:	A. Type and date:		
	B. Have the reports & actions been on-time & complete?		Yes No
	C. If no, explain:		
34.	ASK COMPANY: IS COMPANY IN COMPLIANCE W/APPLICABLE NESHAP REGU	ULATIONS FOR WW DISCHARGES?	Yes⊠ No□
•	To see if 40CFR63 applies to MSD plant, per §§63.1580(b) & 63.1582(a).	Some MDNR-issued Title V air permits for	ـــــ د د کے دد
	specific processes allow <u>pre-approved</u> WW discharge. City/County-issued ai	r permits are <u>not</u> NESHAP permits.]	
If no:	Describe:     Was MDNR Air Pollution Control informed? (must be done)		Yes No
	B. Was MDNR Air Pollution Control informed? ( <u>must be done</u> )		163   140   _
35.	DOES COMPANY RETAIN ALL WASTEWATER RECORDS FOR AT LEAST	5 YEARS?	Yes⊠ No□
If no:	A. How long does company retain records?	)	
_	B. Was company told to retain for at least 5 years, per ordinance		Yes No
C.	Where are they kept? <u>Mike Stogsdill keeps all MSd related reco</u>	<u>ras.</u>	
36.	IS COMPANY CLASSIFIED AS A SIGNIFICANT INDUSTRIAL USER (SIU)?		Yes⊠ No□
If yes:	A. Check & explain applicable criteria:		
		Which cat. stds?	
		Total process volume: <u>63,800 gpd</u>	•
		TP ADW hydraulic capacity: Percent	•
		Which organic pollutant?  TP ADW organic capacity: Percent:	
	Reasonable potential for adverse effect on operations	Why?	
	-	Which ones & why?	•
	B. Does company own its bldg (is it listed as the owner in E-CIS)?		Yes⊠ No□
	If no: C. What is Bldg owner name (use DBA if avail.)?		
	(check E-CIS CAPS Customer Info)		
	D: What is Bldg owner mailing address? (check E-CIS CAPS Customer Info)		
37.	DO MSD CLASSIFICATIONS NEED TO BE REVISED?		Yes□ No⊠
If yes:	A. Indicate correct classifications:	- 6 🗖	/vv · [
		Surcharge	
	Toxics-Bearing Waste No Process Discharge  B. Explain changes:	inigiti-oset 🔲 — special uquqiii	15/ DITITI'S [_]
	•		

Inspection report

38.														
If yes:	B. If no to A, does the company own the bldg/receive the MSD bills?													
					it is responsible for	total discharge, or else must provide		ПоП						
			sample p		ype wastes discharge	43	Yes							
				astes completely in		<b>.</b>		No No						
		-		why/why not:										
	F. If	yes to D,	and no to	E, company must	accept responsibility	or provide segregated SP.								
					company with requir	rement 🗌								
			•	, are limits "alert or	nly" on PIMS?		Yes_	] No[]						
	H. Comments:													
39.	IS COM	DANIV CI A	SSIEIED A	S "Special Handling	g/Rilling"?		Yes	No⊠						
If yes:	A. Wh			S Special Handling	Б/ Бини Б		105	] 140 2						
, co.		-	anges nee	ded to reasons/de	tails?		Yes	No.						
		yes, expla												
•	D. W	ere comp	any reco	rds reviewed & ver	ified for special handl	ing/billing reports?	A Yes	] No[						
						·	,	5.						
40	SAMPLE	POINTS				Auto	-sampler	DJ (v/p)						
ĺ	SP#	001	Fed.Re	· 1	Components:	Hospital waste, Kitchen Waste, Cooling	ready? Yes	(y/n) No						
	3P #	001	rea.ke	3.	Components.	tower blowdown, Boiler blowdown,	1	INO						
					,	Regeneration/reject water, NCCW-	1							
						Autoclaves, Sanitary, Lab Waste,	1							
						Storm water								
. [	SP#	002	Fed.Reg	g	Components:	Hospital Waste, Cooling tower	1	No						
						blowdown, Laboratory waste, Sanitary,								
-						Storm water								
	SP#	003	Fed.Reg	g.	Components:	Sanitary, Plant Equipment washdown- floor mopping, Storm water	Yes	No						
	SP#	<del> </del>	Fed.Re	7	Components:	noor mopping, storm water	N/A	N/A						
	SP #	<del>                                     </del>	Fed.Reg		Components:		N/A	N/A						
·			1					<u> </u>						
41.	A'RE AN	Y SAMPLE	POINTS	TRAPPED VENTS?			Yes	] No⊠						
If yes:	A. Lis						_							
	B. W	as co. info	ormed th	at T-vents are prefe	erred, and told why?		Yes_	] No[]						
47	ADE DIC	CHABCES	. AT ANV	CDc CMALL/IDDECLI	LAR ENOUGH TO ALL	OVAL CDAD CANADI ESS	Vac	No□						
42. If yes:			reasons:	•		Sanitary and Floor mopping	iesk	7 40						
n yes.	Α. α.		110030113.	<u>51 005 dae to te</u>	ow and megalar now	Samtary and Froor mopping								
43.	ARE THI	ERE ANY U	JNSAMPL	ED DISCHARGES? (	list each lateral separ	ately)	Yes_	] No⊠						
Ī	Dummy	SP#		Components:	11.0.1000	111111111111111111111111111111111111111								
[	Dummy	SP#		Components:										
If yes:		-	-			re if the discharges change?		] No						
			•	scharges very low f	low and/or innocuous	s?	Yes	No						
		No to B, e			netallation of CD)									
	( <u>IV</u>	iust aiso v	write com	pany and require i	ristaliation of SP)									
44.	DO ANY	SAMPLE	POINTS (i	ncluding Unsample	ed/Dummy SPs) RECE	IVE STORMWATER?	Yes	☑ No□						
If yes:		t Sample	•	SP001, SP002, an	·									
ŕ														
45.	_				Ps) OPENED & INSPEC	CTED? No SI	Ps Yes	∐oN [						
		•		cated or opened,										
		•		ed to be changed, o	explain: s observed in any SP?		اوم۲	No⊠						
			st SPs & d		3 GUSELVEU III ally SP!		, С.	٦٠٠٠ ا						
Inspectio	-		J W U											
					7		(06/23/2019	3						

	Ε.	If yes to C, was company directed to take corrective actions?	Yes No
46.		IEW THE SAMPLE POINT MAP!  Is the map correct and accurate in <u>all</u> its details?  If no, what changes are needed:  Add SP003 for the 3710 Enright bldg	<u>7/11/12</u> Yes□ No⊠
47. If yes:	DO I	NSTRUCTIONS FOR "Contact Prior to Sampling" or FIELD VISIT "Special Instructions" NEED REVISION?  List needed changes:	Yes∏ No⊠
		CE FOR ANY OTHER COMMENTS/OBSERVATIONS PERTINENT TO YOUR INSPECTION OF THIS SITE.	
VA Med	<u>l Cen</u>	ter no longer has animal research and its cages washing activities. I have removed the animal cage por	tion out of the
		vaste from discharges. Also, VA Med Center has taken posession of the 3710 enright building for office	
		second floor will house senior office staff and the ground floor has floor space for meetings. The samp	
		comprise of Sanitary, and floor mopping for the office area. The description for the new sample point	
		corner of 3710 Enright building	



INDUSTRY NAME

Report No. PIMS012A

Data Date & Time:

04/05/2016

04/05/2016

1:31:47 pm

1:31:47 pm

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900

· Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

INDUSTRIAL USER CLASSIFICATIONS WUNNENBERG INFO. SIU CRITERIA. 03/06/1997 SIU Base Map 19F2 PR25 Process Disch => 25,000 GPD 03/06/1997 TOX Wun:St. Louis City & Co. Grid: G 19 Page 27 INSPECTION INFORMATION GENERAL INFORMATION PERMIT INFORMATION IUQ INFORMATION Office Mailing Address Issue Date: 02/01/2012 IUQ Recvd Date: 08/14/2001 Next Due 915 N. Grand Boulevard Expire Date: 01/31/2017 Reviewer: Fabian Grabski Insp Rslt St. Louis, MO. 63106 Extended Date: 03/31/2016 IUQ Recvd Date: 09/19/2006 02/23/2016 RIN David Kupke **Billing Address** Writer . Scott Rehmer Reviewer: Fabian Grabski 915 N. Grand Blvd Issue Date: 04/01/2016 IUO Recyd Date: 09/07/2011 St. Louis, MO. 63106 Expire Date: 01/31/2017 Reviewer: David Kupke **Extended Date:** Writer CONTACTS BILL Keith Repko Service Chief/Engineering OFF (314) 289-6438 Ext. FLDI Mike Stogsdill **CELL** (314) 372-6973 Ext. Pipe Shop Supervisor Mike Stogsdill Pipe Shop Supervisor OFF (314) 289-6450 Ext. Mike Stogsdill Pipe Shop Supervisor FAX (314) 289-6589 Ext. OFF FLD2 Roger Todd General Foreman (314) 289-6331 Ext. FLD3 Fabian Grabski Acting Associate Director SWR (314) 845-5032 Ext. Fabian Grabski Acting Associate Director **CELL** (314) 265-4780 Ext. Fabian Grabski OFF Acting Associate Director (314) 289-6423 Ext. Fabian Grabski Acting Associate Director FAX (314) 289-7045 Ext. OFFI Mike Stogsdill Pipe Shop Superviosr OFF (314) 289-6450 Ext. OFF2 OFF Roger Todd General Foreman (314) 289-6331 Ext. OFF3 Fabian Grabski Acting Associate Director FAX (314) 289-7045 Ext. Fabian Grabski Acting Associate Director OFF (314) 289-6423 Ext. Fabian Grabski **CELL** Acting Associate Director (314) 265-4780 Ext. Fabian Grabski Acting Associate Director SWR (314) 845-5032 Ext. OPERATIONAL INFORMATION OTHER AGENCIES INFORMATION 12/02/1996 EPA - Hazardous Waste Program MOD93060090030 Work Days: W T F S M T 24-00144-05 01/29/1997 **Nuclear Regulatory Commission** 12:00AM 150 8.0 Υ Y Y Υ 1 Y MDNR - Hazardous Waste Program 01/17/1999 004272 08:00AM 2 750 8.0 Y Y Y Υ Y 06/21/2006 MSD - Billing Account Number 00086730 300 04:00PM 80 Υ 3 Total Emp: 1,200 Hrs: 24.0 NON-SEWERED WASTE On-Site Disposal N Y Off-Site Disposal On-Site Storage **GPY** 09/07/2011 Acids and/or Alkalies 10 . 09/07/2011 Equipment Oils and/or 50 **GPY** 120000 09/07/2011 Infectious Waste LB/YR 09/07/2011 Kitchen/Food Service 100 **GPY** 09/07/2011 Radioactive Waste <10 GPY 09/07/2011 Solvents/Thinners 50 **GPY** 09/07/2011 Organic Compounds 15 GPY M <u>M</u> E N T SIC INFORMATION RAW MATERIALS MATERIAL_DESCRIPTION QUANTITY SIC DESCRIPTION EFF DATE General Medical & Surgical Hospitals 8062

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

PRODUCTS -

EFF DATE DESCRIPTION

05/07/2004 General hospital services

UNIT

AVG_PROD MAX_PROD

| SEWER ACCOUNTS | | Sewer Accounts | 1008545900 | 1030797900

Start Date	= 01/01/20	15 End Date =	12/31/	2016	Wd	avs	Cdavs			
Acct. No.	•		Cor	nsumption					Disc	harge
1008545900			CCF's	Gallons					Gal/ Wdav	Gal/ Cdav
1008545900	12/17/2014	03/19/2015	11,000	11,000	Α	93	93		93	
1008545900	03/20/2015	05/29/2015	9,992	20,992		71	71		164	
1008545900	05/30/2015	09/22/2015	18,346	39,338		116	116		280	
RF (	0.66 Acct.	Total	39,338	29,426,870		2	280	280	69,363	69,363
	Facility 7	l Total	39,338							

INDUSTRY NAME

Report No. PIMS012A

Data Date & Time:

04/05/2016

04/05/2016

1:31:47 pm

1:31:47 pm

VA MEDICAL CENTER FNO. 1008545900

PRIMARY MSD ACCOUNT NO. 1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO, 63106

CONNECTION and SAMPLE POINT INFORMATION  LATERAL NO. Lateral Type		reatment A			000000000000000000000000000000000000000	
92 Sanitary Or Combined	19F2 352C	Trunk S	ewer 37 - Wes	stern Mill Ci	reek	
Description Multiple lines exiting buildings on S side τ						
Sewer Route W on Enrightl, S on Vandeventer, E throu						
SAMPLE POINT NO. 002 Ordinance	NPDI	ES Outfall	No.			
Description Offset MH @ Spring & Enright 75' SW of I	building #5 (Total Flo	ow)				Effective
Discharge Components Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Date
Storm Water	ŭ.	GPD -		GPD	D	4/16/08
Sanitary		GPD		GPD	D	9/7/11
Hospital Waste	12,101			GPD	D	9/7/11
Cooling Tower Blo	=	GPD		GPD	D	2/18/14
Laboratory Waste Diagnostic Lab		GPD -		GPD	D	2/23/16
Total Flow Avg =	22,851	M	lax =			·
CONNECTION and SAMPLE POINT INFORMATION			00000000000000000000000000000000000000	30000000000000000000000000000000000000		000000000000000000000000000000000000000
LATERAL NO. Lateral Type		eatment A				
O3 Sanitary Or Combined	19F2 351C	Trunk Sc	ewer 37 - Wes	tern Mill Cr	reek	•
Description 6" line exiting NW portion of building ont					-	
Sewer Route W on Enrightl, S on Vandeventer, E. throu				(		
SAMPLE POINT NO. 001 Ordinance	NPDI	S Outfall	No.			
Description MH S of Bell curb 80' E of Spring (Total F						
			N.4 571	# t • ·	nun	Effective
Discharge Components Process Description	Avg Flow		Max Flow	Unit	RUD	Date
Storm Water		GPD		GPD	D	4/16/08
Regeneration/Rejec	2,787			GPD	D	9/7/11
Boiler Blowdown	3,025			GPD	D	9/7/11
Sanitary	18,000		•	GPD	D	9/7/11
Hospital Waste Kitchen Waste	36,303 10,372			GPD GPD	D D	9/7/11 9/7/11
Non Contact Coolir Autoclaves		GPD		GPD ·	D	2/18/14
Cooling Tower Blo	8,150			GPD	D	2/18/14
Laboratory Waste Diagnosite Labs	3,000			GPD	D	2/23/16
Total Flow Avg =	81,7 <b>3</b> 7		ax =	UID	U	2123110
		S Outfall				
SAMPLE POINT NO. 003 Ordinance  Description 6" Vent 6' N 12' W from NW corner of 3710		.5 Outlail	140.			
·						Effective
Discharge Components Process Description	G	Unit	Max Flow	Unit	RUD	Date
Plant & Equipment Floor mopping office area		Gal/Wk	10	Gal/Wk	D	2/23/16
Sanitary		GPD		GPD	D	2/23/16
Storm Water		GPD		GPD	D	2/23/16
Total Flow Avg =	110	N	ax =	10		
PRETREATMENT TYPES SP EFF DATE TYPE DESCRIPTION					····	
001 02/02/2004 DC37 pH Adjustment/Neutralization			-			
001 03/16/1998 DC28 Grease Trap						
002 01/16/2003 DC37 pH Adjustment/Neutralization						
PRIORITY POLLUTANTS		99988999889888888888888888888888888888		pqqqqaaaqqqaaa		
ollutant Description Status Pollutant Descri		Status	Pollutant Des			<u>Status</u>
sbestos (Fibrous) SP Cadmium (Tota	.l)	SP	Mercury (Tota	ıl)		SP
L(T D)		KP	Toluene			KР
ead (Total) SP Phenol						,

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

EXTRA STRENGTH SURCHARGE INFORMATION

Report No. PIMS012A Data Date & Time: 04/05/2016

04/05/2016

1:31:47 pm 1:31:47 pm

# PIMS FACILITY CONTACTS For Account Number Selected 1008545900 VA MEDICAL CENTER Located at 915 N. Grand Boulevard St. Louis MO 63106

٥	Ext.																	
	pe Number	(314)280-6438	0000 (07(110)	(314)289-6450	(314)289-6331	(314)265-4780	(314)289-7045	(314)289-6423	(314)845-5032	`	(314)372-6973	(314)289-6589	(314)289-6450	(314)289-6331	(314)265-4780	(314)289-7045	(314)289-6423	(314)845-5032
	Signatory Phone Type Number	OFF	:	OFF	OFF	CELL	FAX	OFF	SWR		CELL	FAX	OFF	OFF	CELL	FAX	OFF	SWR
	Signat	>	-	>	<u>-</u>	z	z	z	z		z	z	z	z	z	z	z	z
	Email			michael.stogsdill1(@va.gov	roger.todd@va.gov	Fabian.grabski@va.gov	Fabian.grabski@va.gov	Fabian.grabski@va.gov	Fabian.grabski@va.gov		michael.stogsdill1@va.gov	michael.stogsdill1@va.gov	michael.stogsdill1@va.gov	roger.todd@va.gov	Fabian.grabski@va.gov	Fabian grabski@va.gov	Fabian.grabski@va.gov	Fabian.grabski@va.gov
	Contact Title	Service Chief/Engineering	0	Pipe Shop Superviosr	General Foreman	Acting Associate Director	Acting Associate Director	Acting Associate Director	Acting Associate Director		Pipe Shop Supervisor	Pipe Shop Supervisor	Pipe Shop Supervisor	General Foreman	Acting Associate Director	Acting Associate Director	Acting Associate Director	Acting Associate Director
	Contact Name	Keith Repko	<b>L</b>	Mike Stogsdill	Roger Todd	Fabian Grabski	Fabian Grabski	Fabian Grabski	Fabian Grabski		Mike Stogsdill	Mike Stogsdill	Mike Stogsdill	Roger Todd	Fabian Grabski	Fabian Grabski	Fabian Grabski	Fabian Grabski
Address Type	Contact Type	Billing Address Billing Contact	Office Mailing Address	Office Contact - Primary	Office Contact 1st Alt	Office Contact 2nd Alt	Office Contact 2nd Alt	Office Contact 2nd Alt	Office Contact 2nd Alt	Premise Address	Field Contact - Primary	Field Contact - Primary	Field Contact - Primary	Field Contact 1st Alt	Field Contact 2nd Alt	Field Contact 2nd Alt	Field Contact 2nd Alt	Field Contact 2nd Alt

8:09:36AM 03/25/2016

Modification Date: Modification Time:

# PIMS REPORT OF FIELD SAMPLING REQUIREMENTS VA MEDICAL CENTER

Account No Entered 1008545900

SPN	PRE	MISE ADDRESS	CITY	ŚT	ZIP	•
***************************************	915	N. Grand Boulevard	St. Lou	uis MO	63106	
001 Project Code: Pollutant Group	IM = 1 Poll Code	PD - Company - MSD Pollutant Description	Frequency	Sample Type		End Date
	1208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs		06/30/2016
•	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	77.	06/30/2016
	T234000	Oil and Grease (Total)	Once/year	Grab		06/30/2016
	T237000	pH ·	Once/year	Grab		06/30/2016
	T247000	Temperature	Once/year	Grab ;	•	06/30/2016
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs		06/30/2016
	T257000	Total Phenols	Once/year	Grab		06/30/2016
	T393000	Silver (Total)	Once/year	Comp-Time 04 Hrs		06/30/2016
Phenolic Organics - Acids	T991000	Phenolic Organics - Acids	Once/year	Grab		06/30/2016
olatile Organics	T996000	Volatile Orgs-not incl Acro/Acryl & 2-	Once/year	Grab ·		06/30/2016
			•	:		
				i		
02 Project Code:	$\dot{\mathbf{IM}} = \mathbf{I}$	PD - Company - MSD		ı		
02 Project Code: Pollutant Group	IM = I	PD - Company - MSD Pollutant Description	Frequency	Sample Type		End Date
			Frequency Once/year	Sample Type Comp-Time:04 Hrs	difficulabilities de consecución de consecución de consecución de consecución de consecución de consecución de	End Date 06/30/2016
	Poll Code	Pollutant Description				06/30/2016 06/30/2016
	Poll Code 1208000	Pollutant Description  Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time:04 Hrs		06/30/2016
	Poll Code 1208000 T213000	Pollutant Description  Biochemical Oxygen Demand (5 Day)  Chemical Oxygen Demand	Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs		06/30/2016 06/30/2016
	Poll Code 1208000 T213000 T234000	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total)	Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab		06/30/2016 06/30/2016 06/30/2016
	T208000 T213000 T234000 T237000	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH	Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab	atti oleh kan	06/30/2016 06/30/2016 06/30/2016 06/30/2016
	Poll Code T208000 T213000 T234000 T237000 T247000	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature	Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab	alla del del del grando de la del	06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016
	Poll Code T208000 T213000 T234000 T237000 T247000 T256000	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids	Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Comp-Time 04 Hrs		06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016
Pollutant Group	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols	Once/year Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Comp-Time 04 Hrs Grab	attivishi kiringa masada makada masada	06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016
Pollutant Group	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total)	Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs	·	06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016
Pollutant Group	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids	Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs		06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016
Pollutant Group  Phenolic Organics - Acids  Volatile Organics	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000 T996000	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids Volatile Orgs-not incl Acro/Acryl & 2-	Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs		06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016
Pollutant Group  henolic Organics - Acids olatile Organics	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000 T996000	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids	Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs	With a beautiful processed moderate descenden	06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016
Pollutant Group  henolic Organics - Acids 'olatile Organics  O3 Project Code:	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000 T996000	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids Volatile Orgs-not incl Acro/Acryl & 2-	Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs	composite)	06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016
Pollutant Group  henolic Organics - Acids 'olatile Organics  O3 Project Code:	Poll Code  T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000 T996000  IM = II Poll Code	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids Volatile Orgs-not incl Acro/Acryl & 2	Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Grab Grab	• •	06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016
Pollutant Group  henolic Organics - Acids  olatile Organics  Project Code:	Poll Code  T208000  T213000  T234000  T237000  T247000  T256000  T257000  T393000  T991000  T996000  IM = II Poll Code	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids Volatile Orgs-not incl Acro/Acryl & 2  PD - Company - MSD Pollutant Description Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Grab Grab Grab Grab Grab Grab	• •	06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016
Pollutant Group  Thenolic Organics - Acids  Volatile Organics  Project Code:	Poll Code T208000 T213000 T234000 T237000 T247000 T256000 T257000 T393000 T991000 T996000  IM = II Poll Code T208000 T213000	Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols Silver (Total) Phenolic Organics - Acids Volatile Orgs-not incl Acro/Acryl & 2  PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Comp-Time 04 Hrs Grab Grab Grab Grab Grab Grab Grab Auth in lieu of Grab (Auth in lieu of	• •	06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016 06/30/2016

1 of 1

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	1008-5459-00
Company Name: VA - S+ Lovis F	tealtheave Suche
Permit No: 111 40460-00	- system
Premise Address: 915 N. Grand	& Blid, St. Lovis, MO 63106
Reporting Period: ⊕(JAN-MAR) ⊕(AR	PR-JUNE) $\Theta$ (JULY-SEPT) $\Theta$ (OCT-DEC)
PART II: RECORD OF DISPOSAL OF RADIOACT	IVE MATERIALS TO THE SEWER SYSTEM
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
Any/A11.	(MIIIIcuries)
1 1	9
TOTAL ACTIVITY DISCHARGED	Ø
PART III: CERTIFICATION STATEMENTS	
Place your initials in the box under item ? Everyone must complete the information under	A. Or items A & B and air A
A. CERTIFICATION OF COMPLIANCE WITH STAT	E AND FEDERAL REGULATIONS
I certify that to the best of my knowledge & 1	belief, all requirements of 10 CFR Part 20, 2003 by release into sanitary sewage for material
B. RADIOACTIVE MATERIALS DISCHARGE REPORT	
I certify under penalty of Law that this document and direction or supervision in accordance with a system properly gather and evaluate the information submitted persons who manage the system, or those persons direct information submitted is, to the best of my knowly am aware that there are significant penalties for speciality of fine and imprint penalties for special transfer and in the second sec	d all attachments were prepared under my designed to assure that qualified personnel ed. Based on my inquiry of the person or city responsible for gathering the information, ledge and belief, true, accurate, and complete submitting false information, including the complete.
Print/type name of signing official:	Gary 1 Hall
Title: Kadigtion Safety Offices	Telephone: \$14)/257-4/00 5100-
Print/type name of signing official:  Title: Radig from Safety Officer  Signature: Sary Hall REC	EIV E 10: 2/3/16
~	radrpt doc 2/00

FEB 0 3 2016

DIVISION OF ENVIRONMENTAL COMPLIANCE

#644 P.016/017

01/05/16

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

1008-5459-00

PARTE IDENTIFYING INFORMATION

Company Name: VA MEDICAL CENTER

Parmit No: 1114046000-1

Effective Date: 1/1/2008

Expiration Date: 1/31/2012

Premise Address: 915 N. Grand Blvd., St. Louis, MO 63106

i/ionitoring Period: □(JAN-MAR)

MAR) MAP

□(APR-JUNE) □(JULY-SEPT)

X(OCT-DEC)

Samples Collected By Environmental Monitoring and tech In

Analyses Performed By: EMT

PART II: ANALYTICAL RESULTS C	FSELF	10M	NITORING					·
MYD SAMPLE POINT REFERENCE NUMBERS	€	6	201		500		Name of the Control o	
17755 OF MHICH SAMPLES WERE COLLECTED	cγ		2-2-15	l	2-2-15			
MAES AT WHICH SAMPLES WERE COLLECTED	خ [.] (۲		1:10		11:36	<u> </u>		
PARAMETER	LIMIT	RE	CORD SAMPLE T ( G=grab. C=con	YPES nposite	(G, C, M OR E) At M=measured flow, E	ND RE	SULTS BELOW pated flow )	UNITS
FURAN			84,000	E	25,000	E		gallong
BON			91	2	164	6		ms/L
COD			228	C.	459	<u>C</u>		mall
Dil and Grease (T)			7.82	·G-	4.68	6		mglL
Oil and Grease(T) Total Phenole			0.10.2	G	0.0634	6		Mall
T65			73.0	C	521	C	·	mg 1L
PH		6	7.39	6	7.34	5		Paunite
Temo		B	18.4	G	14.8	G		00
					and the second s			
		G	11:10 AM		11:48AM	G		
	}	С	1050-1050		1133-1133	O		
			_					

You must complete and sign the certification statements on the second page.

01/05/2016 09:04

#### INDUSTRIAL USER SELF MONITORING REPORT RAGE!

#### FARTED SPECIAL CERTIFICATION STATEMENTS

There is the Medical Coefficies Contained in your discharge permit you may be required to certify the innex ratio THE STATE OF THE CONTROL OF PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS

3,11

PART IV: GENERAL CERTIFICATION STATEMENTS

DISCHARGE MONITORING REPORT CERTIFICATION

All permittees must sign and complete the information below:

Towardy under penalty of Carvithat this document and all attachments were prepared under my linecess or one cursion or persons who manage the system, or those persons directly responsible for gathering the information, the machine in the machine is no the best of my knowledge and belief, frue, accurate, and complete. Fam aware that there are significant sensitives was a microstion, including the possibility of line and imprisonment for knowled wideligns.

Port or type harve of signing official 4

___ Telephone 314-289-6456

rapie of Contents



Phenolics, Total Recoverable

8100 N. Austin Avenue Morton Grove, IL 60053-3203

0.0100

0.102 .

mg/L

P 847.967.6666

800.246.0663

F 847.967.6735 www.emt.com

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 001 Grab

Report Date: 12/08/2015

Collection Date: 12/02/2015 11:10

Matrix: Wastewater

Work Order:

15J0297

Lab ID: 15J0297-02

**EMT** Date/Time Reporting Analyzed Batch Analyst Qual Units Limit Result Analyses On Site Analysis Method: SM2550-B 12/02/15 11:10 B5L0182 NS °C 18.4 Temperature Method: SM4500-H B5L0182 NS 12/02/15 11:10 pH Units 0,05 7.39 pН Wet Chemistry Method: E1664A 12/04/15 07:30 B5L0104 SA1 mg/L 7.82 4.00 Oil and Grease (HEM) Method: E420.1 Rev.1978 by Aquachem 12/04/15 14:36 B5L0168 CS2

able of Contents



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

Client Sample Results

Client: Project:

Work Order:

St. Louis VA Medical Center

VASTL John Cochran

15J0297

Client Sample ID: 001 Composite

Report Date: 12/08/2015

Collection Date: 12/02/2015 10:52

Matrix: Wastewater

Lab ID: 15J0297-01

Analyses	Result	EMT Reporting Limit	Qual L	Inits	an one of the second	Date/Time Analyzed	Batch	Analyst
Net Chemistry						,		
Method:	HACH 8000							
Chemical Oxygen Demand (COD)	228	10.0	п	ng/L		12/08/15 10:50	B5L0305	L\$3
Method:	SM2540D							
Suspended Solids (Residue, Non-filterable)	73.0	15.0	r ·	ng/L		12/03/15 12:55	B5L0131	TB2
Method:	SM5210 B							
Biochemical Oxygen Demar	nd 91	15	r	ng/L		12/08/15 08:11	B5L0105	DN1

Lable of Contents



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

#### **Client Sample Results**

(Continued)

Client

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

15J0297

(Continued)

Client Sample ID: 002 Composite

01/05/2016 08:57

Report Date: 12/08/2015

Collection Date: 12/02/2015 11:36

Matrix: Wastewater

Lab ID: 15J0297-03

EMT Date/Time Reporting Analyzed Analyst Limit Qual Units Batch Analyses Result Wet Chemistry Method: HACH 8000 12/08/15 10:50 B5L0305 LS3 Chemical Oxygen Demand 459 10.0 mg/L (COD) Method: SM2540D B5L0131 TB2 12/03/15 12:55 Suspended Solids (Residue, 521 15.0 mg/L Non-filterable) Method: SM5210 B 12/08/15 08:11 B5L0105 DN1 **Blochemical Oxygen Demand** 164 15 mg/L

Labte of Contents

Report Date: 12/08/2015

B5L0105

B5L0131

B5L0305

85L0104

B5L0168

B5L0182

S5L0130

S5L0075



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

#### **Dates Report**

Client:

St. Louis VA Medical Center

Collection

12/02/15

12/02/15

12/02/15

12/02/15

Matrix

Wastewater

(BOD)

(COD)

Phenois, Total

Temperature

pH, Tested On Site

Phanols, Total pH, Tested On Site Temperature

Biological Oxygen Demand

Oxygen, Chemical Demand

Fats, Oils, & Grease (HEM)

Solids, Total Suspended (YSS)

Project:

Sample ID

15J0297-01

15J0297-02 001 Grab

15J0297-03 002 Composite

15J0297-04 002 Grab

VASTL John Cochran

Work Order:

15J0297

Client Sample ID

001 Composite

wintermentwischlichte Agentylennammannagananammentermensessassassassassassassassassassassassass			haddinaraan ka		
Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
Biological Oxygen Demand (BOD)		12/03/15 11:00	12/08/15 08:11	B5L0105	S5L0130
Solids, Total Suspended (TSS)		12/03/15 12:55	12/03/15 12:55	B5L0131	
Oxygen, Chemical Demand (COD)		12/08/15 08:15	12/08/15 10:50	B5L0305	
Fals, Oils, & Grease (HEM)		12/03/15 07:30	12/04/15 07:30	B5L0104	
Phenois, Total		12/04/15 09:00	12/04/15 14:38	B5L0168	S5L0075
pH, Tested On Site		12/02/15 11:10	12/02/15 11:10	B5L0182	

12/02/15 11:10

12/08/15 08:11

12/03/15 12:55

12/08/15 10:50

12/04/15 07:30

12/04/15 14:36

12/02/15 11:48

12/02/15 11:48

12/02/15 11:10

12/03/15 11:00

12/03/15 12:55

12/08/15 08:15

12/03/15 07:30

12/04/15 09:00

12/02/15 11:48

12/02/15 11:48



#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

Sampler I.D/4  Battery I.D Z  Sampling Interval30mio  Multiplex		Meter I.D  Battery I.D  Reading Level  Total Flow	Departure Time// 2 S
(ime/Flow/Storm	ICE/Ref:	•	
Install \$enlice	<b>6</b>		Sampler Start Time
2. 3. Comp Carrier /2 4. 5. Pulled Caurement 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	Description / Communication /	PA CAL # 10:35	Cloudy Clear Clear Milky Milky Milky Oil Film Foamy Flock Sediment Color Other  Other  Other  Other  Other  Other  Grab Time  Grab Temp  18-4°  Incoming Meters
Client Meter Flow		L ACTL	
Technician		Date <u>/2 - 7 - /S</u>	

I able of Contents



## ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

Client //AMC RONA	V COCHEAN	Outfall LD GO/	Doto	12-1-15
	4/ F Wind OF Japh NW			
	Sampler Type 37/0			
· ·				
	2/0			
Multiplex Comp		Total Flow		
Number of Samples	Sample Collected At	Primary Device		Material Company of the company of t
Time/Flow/Storm	£CE/Ref:	Maximum Head Height		
Install Service	Pull	Sample Initiation		10:50
Bottle # Volume	Description / Co	omments	<u>Composite</u>	<u>Grab</u>
1. INSTAURD EQUAL	MENT		Sanitary	Sanitary
	·		···· SS	SS
3 Good Mariac Sca	IRE TAKEN		Cloudy	Cloudy
			. 4014041	Clear
			1411117	Milky .
6			··· Oil Film	Oil Film
7	***************************************	***************************************	···· Foamy	Foamy
	***************************************		1 IOON	Flock
	***************************************	,	00011110111	Sediment
	***************************************			Color
			- U 101	Other
	***************************************			alibration
14			7.0 =	***************************************
15,			4.0 =	Whaten and the second
	······································		10.0 =	
17		,	··· Grab Time -	
			··· Grab pH	
			C-ak Tama	,
				eters
23		***************************************		
Client Meter Flow	2	RDLACTL	_	
Technician Not 5	Signature		Σ	
Technician	Signatura	Data		

lable of Contents



#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

Client VAMC DOWN (	COCHBAN	Outfall I.D. OOZ	Date	12.2.8
Ambient Meather of 44 3	9° Wind orand wh	Arrival Time //: 30	Departure Time <u>/</u> Z	:10
Sampler I.D. 30	Sampler Type	Meter I.D.	_ Meter Type	
Battery I.D. 5		Battery I.D.		
Sampling Interval 30m.		Reading Level	Actual Level	
Multiplex Comp	·	Total Flow		
Number of Samples 49	_ Sample Collected At 11'3(e	Primary Device		
time/Flow/Storm	ICE/Ref:	Maximum Head Height _		
nstall Service	(Bull)	Sample Initiation	_ Sampler Start Time	
Bottle # Volume	Description / Com	ments	Composite	Grab
1 Temp 11.1'C			Gary Sanitary	Sanitary
2	1	***************************************	SS	SS
3. Comp Containing	r fu	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Cloudy	Cloudy
4.			Clear	Clear
5. Luceo EaxTAMENT			Milky	Milky
••				Oil Film
	*			Foamy
				Flock
				Sediment
				COLOR TAN
* * * *				Other
			pH Meter C	
			/ / / 11 ==	- ZOZ
• • •		1	4 ^	4.01
				10.01
				11:48
		•		1.34
20	N. 11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Grab Temp	1-110
21	valengeliken et en			
22		. ((4)) . 11 . 11 . 11 . 11 . 11 . 11 . 11 .	Incoming M	leters
23				
24	***************************************		***	
Client Meter Flow	Sn	DL ACTL	<del></del>	
Technician Nad S	Signature	Date <u>/ ≥ - ≥ -</u>	25	
Technician	Signature	Date		

lable of Contents



#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

Client VAMC JOHN C	OCHRAN	Outfall I.D	Date	12-1-15
		Arrival Time 11:00		
· · · · · · · · · · · · · · · · · · ·	·	Meter I.D.		•
•				
Sampling Interval 30min	•	Reading Level		
		Total Flow		
Number of Samples	Sample Collected At	Primary Device		
time/Flow/Storm		Maximum Head Height		
Install Service	Pull	Sample Initiation		
Bottle # Volume	Description / C	Comments	Composite	<u>Grab</u>
	·			
- · · · · · · · · · · · · · · · · · · ·				Sanitary SS
_				Cloudy
			4.444	Clear
•		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Oloui	Milky
, ,				Oil Film
7	·			Foamy
8			•	Flock
9				Sediment
10				Color
		,		Other
		-	1111.1	alibration
			···· 70-	=
15,	***************************************	,	4.0 =	to construction of the con
16			10.0 =	
			Giau iiile .	Parameter
			Ciau un	
			Grah Temn	
				leters
	•	***************************************	3	
			٠.	
Client Meter Flow	/	RDLACTL	. ·	
Technician Add S	Signature	Date <u>/2 -/-/</u> s	-	
Technician	Signature	Date		

Lable of Contents

12/8/2015	2/8/2015.		Jalcheck 1 Calcheck 2		8.91 9.22							>	7.0		Í			The state of the s	1,880 MM	3000	7200		名がり	1,7 1/09	ヤー、と	1
Report Date 12/8/2015			Average Jalched	80	æ3						179.0	98EC	5			3,885.0	3468 1	Manager in the second of the second	/	4,403.0			7	8,490.0		
17 Y 17 M 18 M 18			Net BOD /							a i ugudu, <u>maga amandan ang</u> amandan danga i ugar	187.0	175.0	172.0	183.0	449.4	3,050.0	3,885.0	4,431.0	30.6	4,410.0	4,395.0	4,581.0	4,951.0	8,490.0	7,945.0	4,827.0
			Delta	-0.48	-0.14	6.30 45.40	0.97	1.14	0.72	1,32	4.43	4.18	4.12	434	0.61	2.21	4.57	8.07	69.0	2.89	2.08	8.32	1.51	4.93	8.63	8.73
105 050 0130	00:00 AM	1:02 AM	DO5 T02	9.15 20.50	9.07 20.60	9 11 20 50	7.64 20.50	7.55 20.50	7.45 20,50	6.82 .20.60	4.35 20.50	4.71 20.50	4.56 20.60	4.57 20.50	8.15 20.50	6.72 20.50	4.19 20.50	0.83 20.60	8.09 20.50	6.03 20.50	3.68 20.50	0.57 20.60	7.23 20.50	4.00 20.60	0.13 20.60	0.13 20.50
$\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}}}}}}}}}}$	ON1 12/3/2015 11:00:00 AM	JN1 12/8/2015 8:11:02 AM	DOI T01			8.68 20.60		8.69 20.60	8.17 20.60	8.14 20.70	8.78 20.60	8.89 20.60	8.68 20.60	8.91 20.60					8.78 20.70		8.76 20.70	8.89 20.70	8.74 20.70		8.76 20.70	8.86 20,70
25L 25L	_ ,		Seed	0.0	0.0	0.0	6.0	15.0	24.0	36.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	Operator Name	Operator Name: Date/Time: <u>Calculated</u>	Dil Fac	·	<b>~</b> ·	4m 4m		-	-	<del>**</del>		***	ă.	-				į				20	20	20		2
The second secon	Operator N	Operator Nan Date/Time: Calculated	VolumeDil Fac	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	1.0	3.0	6.0	10.0	1.0	3.0	6.0	10.0	1.0	3.0	6.0	10.0
	Đ	ing Status	lorBottle	15	57	30 05	8	23	924	27		01	93	19	11	910	76	923		19	42	9	53	308	905	41
	Initial DO Reading	Final DO reading	Init pH Adj pH Res Chl	€0.2							7.0>				<0.2							i i				
13	Initial D	Final D	Adj pH	6.80							7.28	`		ļ	7.111	`										
14° 6 Out 4° 5 Out 4° 6			Init pH	6.44			,				2.83 7.28				5.74							-				
EMT BOL Bench Sheets (15 GGA and Inhibitor (if used) traceability; (15 Barometric Pressure (mm rig): Day In ( Out 15 Room Temperature (C): Deか Out 10 い Do Saturation Point (mg/L): Day In ( Out 4 A 3	151203A Hay	-0.27 0.23 K3= 0.69 179.1	Name Man	B5L0105-BLK1	B5L0105-BLK1	B5L0105-BLK1	Seed	Seed	Seed	Seed	Standard B5L0105-BS1	Standard B5L0105-BS1	Standard B5L0105-BS1	Standard B5L0105-BS1	Sample 15L0174-04				8 BSL0105-DUP1	9 B5L0105-DUP1	B5L0105-DUP1	B5L0105-DUP1	BSL0105-MS1		e 85L0105-MS1	e B5L0105-MS1
IOU End Inhilitic Profession		rage ection verage	Туре			Blank Blank		1 Seed	1 Seed	1 Seed	Standa					1 Sample		1 Sample	Tray02 Sample	2 Sample	2 Sample	2 Sample	5 Tray02 Sample	2 Sample	Tray02 Sample	2 Sample
EMT B GGA ar Barome Room T DO Satu	Table Name:	Blank Average Seed Correction Standard Average	Pos Tray	3 Tray01		5 Tray01	7 Tray01	8 Tray01	9 Tray01	10 Tray01	11 Tray01	12 Tray01	13 Tray01	14 Tray01	15 Tray01	16 Tray01	17 Tray01	18 Tray01	1 Trayo	2 Tray02	3 Tray02	4 Tray02	5 Trayo	6 Tray02	7 Tray0	8 Tray02

o Page 19 of 23

C. K.		-			[	7	<b>,</b>		1	•	7		*				***************************************		9.14	9.24					-												ĺ	1 8016	e ot C	ionter	nts
reck I Calcheck 2	•		\		{	10 B P	0-88	) )	The same of the sa	ア、ネラク	× 1	5. S.	}						8.78	8.91		`	4 7	Nacco		\					ŧ		i, consistent of an analysis was the same of the same								
		1,611.0	12 A	<u>)</u>		1.960.0	7	1	' \	3,495.0	**Descriptions.			30.08	THE PERSON NAMED OF THE PE			91.2	No.				787.0			5,133.0	- CONTROLLEGIO CONTROL						And the second control of the second control			<b>5</b> 05.0	- Andrease				
Ne BOD	-164.7	1,465 0	1,758.0	2.063.0	464.7	1,485.0	2,028.0	1 892.0	2,055.0			2,414.0	70.5	340.0	114.0	54.7	23.5	89.8	92.6	58.9	49.5	93.8	146.0	181.0	-936.8	4,163.0	5,419.0	6,019.0	-2,523.5	3,317.0	5,321.0	5.628.0	-502,4	323.0	281.0	505.0	-77.5				
N alva	0.63	2.15	4.20	7.56	0.53	2.17	4.74	689	1.37	4.18	8.30	8,73	1.39	7.48	8.27	7.98	0.92	2.48	6.86	8.54	0.52	1.31	2.63	5.50	0.56	2.35	5.05	8.71	0.43	1.69	3.91	6.37	0.35	1.33	1.81	4.05	-0.09				
DO5. T02	8.16 20.50	C.74 20.60	A 78 20 50	1.31 < 0.60	8.22 20.60	6.74 20.50	4.03 20.50	1 90 20,60	7.38 20.50	4.72 20.60	0.45 20.60	0.12.20.50	7.35 20.50	1.30 20.50	0.15 20.50	0.10 20.60	7.83 20.50	6.41 20.50	1.80 20.50	0 13 20.50	8.22 20.50	7.55 20.50	6.02 20.50	3.19 20.60	8.21 20.60	6.54 20.60	3.76 20.50	0.17 20.60	8.33 20.60	7.22 20.60	4.82 20.60	2.49 20.60	8.34 20.60	7.54 20.60	6.92 20.60	4.77 20.60	8.87 20.50				
. 101 ioa	8.79 20.70		8.76 20.70	8.87 20.70	8.75 20.80	8.91 20.70	8.77 20.70	- !	8.75 20.70	8.90 20.70	8.75 20.80	8.85 20.80	8.74 20.70	8.78 20.70	8.42 20.80	8.08 20.70	8.75 20.80	8.89 20.70	8.66 20.80	8.67 20.70	8.74 20.90	8.86 20.90	8.65 20.90	8.69 20.90	8.77 20.80	8.89 20.80	8.78 20.80	8.88 20.80	8.76 20.80	8.91 20.80	8.73 20.80	8.86 20.80	8.69 20.80	8.87 20.80	8.73 20.90	8.82 20.80	8.78 20.90				
Scatt 1	3.0	3.0	3.0	30	3.0	3.0	3.0	[	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	30	3.0	3.0	3.0	3.0	3.0				
DH Fac	5	2	10	10	10	10	10	10	2	10	10	0	-	•	•-	-	-	<b>~</b>	-	-	ς,	9	2	S	25	25	25	25	æ	33	33	33	5	Ŋ	5	5	-				
	1.0	3.0	6.0	100	1.0	3.0	6.0	10.0	1.0	3.0	0.9	10.0	3.0	6.0	20.0	40.0	3.0	6.0	20.0	40.0	5.0	10.0	20.0	40.0	1.0	3.0	6.0	10.0	1.0	3.0	6.0	10.0	1.0	3.0	0.9	10.0	3.0				
Init pH Adj pH Res ChlorBottle V	7	45	23	7	1:1	903	32	37	16	38	922	00	8	77	28	5	00	<del>.</del> 80	. 15	82	6	110	9	22	99	35	12	28	916	6	13		т	15	27	54	8				
Res Chi	,<0.2												Z.0>				<0.2				<0.2				<0.2								<0.2				- CO-3				
Adj pH	6.71	7	•										,	>			>				1	>			,	>							>	•			-	>			
Init pH	\$.23								The state of the s	•			6.87				7.15				7.22				6.55								6.70				7.38			ı.	
					2د	25	22	2د		C'	~	2	-												The state of the s												The state of the s			•	
Name	1510174-07		:5c0174-07	-3L0174-07	B5L0105-DUP2	B5L0105-DUP2	B5L0105-DUP2	B5L0105-DUP2	B5L0105-MS2	B5L0105-MS2	B5L0105-MS2	B5L0105-MS2	15J0296-01	15J0296-01	15J0296-01	15,0296-01	15J0297-01	15,0297-01	15,10297-01	15J0297-01	15,10297-03	15J0297-03	15J0297-03	15,10297-03	15L0177-01	15L0177-01	15L0177-01	15L0177-01	15L0177-01	15L0177-01	15L0177-01	15L0177-01	1510184-01	15L0184-01	15L0184-01	15L0184-01	1500185-01				
<del>ا۔</del> :	2 Sample					2 Sample	2 Sample	2 Sample	2 Sample	2 Sample	3 Sample	3 Sample	3 Sample	3 Sample		3 Sample	3 Sample	3 Sample	3 Sample	3 Sample				3 Sample		3 Sample						4 Sample	4 Sample	4 Sample	4 Sample	4 Sample	4 Sample		5		
Pos Tray.	9 Tray02						5 Tray02	3 Tray02	7 Tray02		1 Tray03	2 Tray03	3 Tray03	1 Tray03	5 Tray03		7 Tray03	3 Tray03								Tray03			Tray04		Tray04		Tray04	Tray04	, Tray04	Tray04	Tray04		e 2 of		
Pos	O)	10	<del></del>	72	5	4	15	16	17	18	4	CAI	w	4	W)	<b>6</b>		ω	ආ	9	7	12	13	4	15	16	17	18	-	7	က	4	h	9	7	ω,	O		Page	20 o	f 23

o c Page 20 of 23

eck2	:			1	,			ĺ	,			1			ş²°											9.27	9.21											l able
ieck I Calcheck 2 (g	4062		河		ją.	2017	) }		•	* 7.7.7	9			1000	n.e				:		,		.4			8.73	8.90											
Average	1		23	4			4.9				-1.8				3.0	disemplification to				-	17.	るころ	١					283.0 /	Application of the last of the		•			83.2				
Net BOD A	8.8	-11.0	-2.3	-93.5	-38.3	-13.6	4.9	-69.5	-37.3	-10.3	-1.8	-89.5	-33.7	-12.1	-3.0	-913.4	-226.5	-144.7	-53.5	77.5	108.0	81.7	2.09	-706.4	-49.5	50.3	7.0.7	283.0	373.0	113.0	54.4	41.5	39.8	83.2	58.5	11.5	30.3	
	0.86	-0.05	0.38	-0.25	-0.08	-0.22	0.03	-0.01	90.0-	0.00	0.44	-0.21	0.01	-0.12	0.28	-0.33	-0.07	-0.28	60.0	1.46	2.84	6.13	8.78	-0.10	0.52	1.02	1.47	3.51	8.15	8.20	7.94	1.10	1.48	6.23	8.48	0.80	1.29	
POS 102, LDelta	8.03 20.60	8.81 20.60	8.47 20.60	9.00 20.60	8.37 20.60	8.97 20.60	B.86 20.60	8.80 20.60	8.92 20.60	8.75 20.60	8.43 20.60	8.98 20.60	8.87 20.60	8.91 20.60	8.65 20.70	9.11 20.60	8.96 20.60	9.07 20.60	8.79 20.60	7.28 20.50	6.06 20.60	2.67 20.60	0.15 20.60	8.90 20.50	8.37 20.50	7.79 20.50	7.41 20.60	5.15 20.60	0.64 20.60	0.06 20.60	0.10.20.70	7.67 20.60	7.43 20.60	2.43 20.60	0.15 20:60	8.02 20.60	7.62 20.60	
12	20.80		8.25 20,90	8.75. 20.80	8.89 20.80	8.75 20.90	8.89 20.90	8.79 20.90	8.86 20.80	8.75 20.90	8.87 20.90	8.77 20.90	8.88 20.80	8.79 20.90	8.93 20.90	8.78 20.90 / 5	8.89 20.80	8.79 20.90	8.88 20.90	8.74 20.90	8.90 20.90	8.80 20.90	8.93 20.90	8.80 20.90	8.89 20.80	8.81 20.90	8.88 20.90	8.66 21.10	8.79 21.10	8.26 20.90	B.04 20 90	8.77 20.90	8.91 20.80	8.66 20.90	8.63 20.90 (	8.82 20.90	8.91 20.80	
Seed DOI	3.0		3.0 😤	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.		3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8.	3.0 8	3.0 8.	3.0 8.	3.0 8.	30 B	3.0 8.	3.0 8.	3,0 8.	3.0 8.	3,0 8,	3.0 8.	
Oil Fac	<b>V</b>	жт. ~	) <del>8 -</del> -	ş.	OF THE		<b>₹</b> .	-	-	-	-	-	τ-	-	<del></del>	'n	က	ო	3	-	<b>*</b> -	~	~	ო	ო	က	3	Ψ-	*	<u>ٺ</u>	+	<b>.</b>	-	,	-	<b>~</b>	4	
	0.9	20.0	40.0	3.0	0.9	20.0	40.0	3.0	0.9	20.0	40.0	3.0	0.9	20.0	<b>4</b> 0.0 <b>v</b>	1.0	3.0	6.0	70.0	3.0	6.0	20.0	40.0	1.0	3.0	0.9	10 Ö	3.0	0.9	20.0	40.0	3.0	6.0	20.0	40.0	3.0	6.0	
onBottle	٠,		11.3	7	37	15	36	6	173	81	14	DE.	39	321	∞	80	41	22	70	51	55	38	25	18	14	S	17	7	175	65	4	=	148	8	28	395	13	
Injt pH Adj pH Res ChlorBottle A	ie‡	,		/<0.2	10000000000000000000000000000000000000	ŧ		/ <0.2	<b>b</b>			205/	<b>s</b> .							<0.2	/						and the second s	4 <0.2	<b>&gt;</b>			5 / <0.2	>			/ <0.2	>	
pHAdj			N. Francisco		; <b>,</b>																							7.24				3 7.25						
. Init			,	7.26				7.15	•			7.41								7.17								8.66				7.58				6.75	\	4
ا د		٠						-									*										a personal de la companya de la comp											
Same	15L0185-01	15L0185-01	15.0185-01	15L0185-02	15L0185-02	1500185-02	15L0185-02	15L0185-03	15L0185-03	15L0185-03	15,0185-03	15L0187-01	15L0187-01	15L0187-01	15L0187-01	15L0187-01	15L0187-01	15L0187-01	15L0187-01	15_0187.02	15L0187-02	15L0187-02	15L0187-02	15L0187-02	15L0187-02	15L0187-02	151,0187-02	15L0190-01	15L0190-01	15L0190-01	15L0190-01	151.0190-03	15L0190-03	151.0190-03	15L0190-03	15L0190-04	15L0190-04	
Pos Tray 1.	10. Tray04. Sample		12 Tay04 Sample	13 Tray 04 Sample	14 Tray04 Sample	15 Tray04 Sample	16 TrayO4 Sample	17 Tray04 Sample	18 Tray04 Sample	1 Tray05 Sample	2 Tray05 Sample	3 Tray05 Sample	4 Tray05 Sample	5 Tray05 Sample	6 Tray05 Sample	7 Tray05 Sample	8 Tray05 Sample	9 Tray05 Sample	10 Tray05 Sample	11 Tray05 Sample	12 Tray05 Sample	13 Tray05 Sample	14 Tray05 Sample	15 Tray05 Sample	16 Tray05 Sample	17 Tray05 Sample	18 Tray05 Sample	3 Tray06 Sample	4 Tray06 Sample	5 Tray06 Sample	6 Tray06 Sample	7 Tray06 Sample	8 Tray06 Sample	9 Tray06 Sample	10 Tray06 Sample	11 Tray06 Sample	12 Tray06 Sample	

ပ် က e Page 21 of 23

Lable of Contents

7			ž								1										-		ĺ								-						
eck i Calcheck 2					ط	•									***************************************																		9.13	9.20			
eck l	`	<b>.</b>			404	9		7				7			1			7						7								. 7706	8.67	8.90			
Average	36.9	diagram of the state of the sta				-2.7	180.0	1				97.9	•				1,687.0	; ;	100 100					145.0								E	3	-2.1	-		
Net BOD A	40.1	53.6	-88.5	-33.2	-11.8	-2.7	166.0	195.0	112.0	53.2	92.5	80.8	105.0	59.1	2,807.5	808.0	1,196.0	1,663.0	708.0	1,828.0	1,570.0	1,904.0	80.5	145.0	112.0	54.3	-652.4	-19.5	32.3	112.0	-88.5	-34.3	9.6	-2.1	-895.4	-217.5	-122.2
Delta Ner	3.36	5.17	-0.20	0.02	-0.10	0.33	2.34	4.59	8.18	7.78	1.61	2.50	7.69	8.56	0.10	1.19	2.18	4.15	0.98	2.97	4.61	8.62	1.49	3.59 🖍	8.18	7.93	0.04	0.62	0.00	1.93	-0.20	00.00	0.11	0.40	-0.31	-0.04	-0.13
T02	5.35 20.60	1 20 70	1 20.60	1 20.60	0 20.60	6 20.70	6.41 20.60	4.26 20.60	0.13 20.60	112 20.60	7.20 20.50	5.43 20.60	1.03 20.60	0.16 20.60	8.72 20.50	8 20.60	2 20.50	7 20.60	2 20.60	5.98 20.60	7 20.60	1 20.70	6 20,60	9 20.60	2 20.60	1 20.70	4 20.50	1 20.60	4 20.60	8 20.60	4 20.50	3 20.50	0 20.50	4 20.50		8 20.50	
005			9 01	0 8.91	08.80	0 8.56		-		1	•	Ī	,	_		7.78	0 6.62	77.4	7.82		0 4.17	0.31	7.26	5.29	0.12	0.11	8.84	8.31	7.84	6.98	8.94	8.93	8.60	8.44	9.01	8.98	8.87
DO1 T01	8.71 20.90	ŀ	8.81 20.90	8,93 20.80	8.80 20.90	8.89 20.90	8.75 20.90	8.85 20.90	8.31 20.90	Z 90 20 90	8.81 20.80	8.93 20.80	8.72 20.80	8.72 20.80	8.82 20.80	8.97 20.70	8.80 20.80	8.92 20.80	8.80 20.80	8.95 20.80	8.78 20.80	8 93 20.80	8.75 20.80	8.88 20.80	8.30 20.90	8.04 20.80	8.80 20.80	8.93 20.80	8.74 20.80	8.91 20.80	8.74 20.80	8.93 20.80	8.71 20.90	8.84 20.90	8.70 21.00	8.94 20.90	8.74 20.90
Seed :	30	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Dil Fac	-		-	<b>,</b>	+	,	-	-	-		-	*	-	-	118	16	16	16	80	æ	8	8	~	-	-	·	က	က	က	6	-	-	+	-	ო	က်	ო
₽ ~	20.0	000	3.0	6.0	20.0	40.0	3.0	0.9	20.0	40.0	3.0	6.0	20.0	40.0	P.1	3.0	6.0	10.0	1.0	3.0	6.0	10.0	3.0	6.0	20.0	40.0	1.0	3.0	6.0	10.0	3.0	0.9	20.0	40.0	1.0	3.0	0.9
orBottle	14	78	1	44	9	28	09	16	134	10	180	144	-	23	F	343	9	92	354	34	7	19	15	367	35	42	∞	16	23	. 2	917	15	<b>∞</b>	72	27	310	915
Init pH Adj pH Res ChlorBottle			202	<b>&gt;</b>			/<0.2				, <0.2				/<0.2	•							<0.2						•		/<0.2	>					
[ Adj pl		·	6.84				6.90					<b>S</b>			7.15									>			,				7.23					•	
Init pf-			8.88				7.95				7.12				7.85								7.14	-							7.01						
						,			-														ALL STATE OF THE PARTY OF THE P								ř.						
Name	15L0190-04	15_0190-04	5.0194-01	15,0194-01	15L0194-01	15L0194-01	15L0197-01	15L0197-01	15L0197-01	15L0197-01	15L0205-01	15L0205-01	15L0205-01	15L0205-01	15,0206-01	15L0206-01	15L0207-01	15L0207-01	15L0207-01	15L0207-01	15L0207-01	15L0207-01	15L0207-01	15L0207-01	15L0207-02	15L0207-02	15L0207-02	15L0207-02	51-0207-02	151,0207-02	15L0207-02						
	Sample 18	Sample 1	1	Sample 1	•	Sample 1	Sample 1	Sample 15	Sample 15		Sample 1	Sample 18	Sample 15			Sample 18	Sample 1	Sample 16	Sample 1	Sample 15		Sample 15	Sample 15				Sample 15	•	Sample 15	•	•		•	Sample 15	-	<b>,</b>	Sample 15
.π.	Tray06 Sar	Tray06 Sar		Tray06 Sar	Tray06 Sar	Tray06 Sar	Tayo7 Sar	Tray07 Sar	Tray07 Sar	Tray07 Sar	Tray07 Sar	Tray07 Sar	Tray07 Sar			Tray07 San	Tray07 San		Tray07 San			Tray07 San	Tray07 San	Tray07 San	Tray08 San		Tray08 San				y08 San	Tray08 San	Tray08 San	y08 San		Tray08 San	Tray08 San
Pos Tray	13 Tra	14 Tra	15 (18	16 Tra	17 Tra	18 Tra	T Tra	2 Tra	3 Tra	4 Tra	5 Tra	6 Tray	7 Tra		-9 Tra	10 Tray	11 Tra	12 Tra	13 Tra	14 Tra	15 Tra	16 Tra	17 Tray	18 Tray	1 Tra	2 Traj	3 Tray	4 Tra	5 Tray08	6 Tray08		8 Tray		10 Tray08	11 Tray		13 Tray

5 4 ... Page 22 of 23

, F:	rom	:VA	١													3	14	289	)70	75						0	11/	05	/20	16	0	9:0	)3			#64	4	P.0	15/0	17
		· .	, <b>.</b> .																					ĺ	ŗ												ıan	e or (	Conte	nts
sheck 2	1.	1	147-						1									_							1						9.23	9.20								
eck I Calcheck 2																	-	4	>												4	22								
Ţij.			`	>						`	7							4000	<b>3</b>										>	<b>,</b>	8.74	8.92								
Average				28.5							49.6									9.0-	l									924.0										
	-74.5	7.3	15.5	28.5	03.4	-181.5	-95.2	44.5	-16.5	59.8	49.6	53.8	-814.4	-157.5	-89.2	-12.1	-100.5	-31.2	-10.0	9.0-	-958.4	-217.5	-0.7	-13.9	794.0	406.0	119.0	60.3	437.0	836.0	1,013.0	730.0							•	
NatiBOD				١.	-1,003.4	Ť	7		•			•••	èρ	Ť	Υ	`*	-1	۲,	`•		ðγ	ņ		`1	12	4	÷		₹	```		7								
Delta -0.05	90.0-	0.54	1.72	4.49	-0.43	0.08	0.05	940	0.52	1.88	3.99 €	7.86	-0.22	0.16	0.09	0.55	-0.32	0.06	0.05	0.61	-0.38	0.04	0.68	0.53	8.62	8.80	8.63	8.73	1.17	3.47	7.44	8.80								
005 T02	20.50	\$0.30	20:50	20.60	20.60	20.60	20.60	20.60	20.60	20.70	20.60	20.60	20.60	20.60	20.60	20.60	9.13 20.70	20.60	20.60	20.60	20.60	20.60	8.08 20.60	20.60	20.60	20.60	20.50	0.11 20.70	20.70	20.60	20.60	20.60								
DO5	8.76	8.40	6.85	4.25	9.13	8.87	8.81	8.74	8.27	7.02	4.67	0.76	9.05	8.79	8.71	8.38	9.13	8.90	8.76	8.32	9.14	8.99	8.08	8.40	0.18	0.13	0.09	0.11	7.68	5.48	1.36	0.12			-					
701	20.90	20.80	20.90	20.90	20.90	20.80	20.90	20.80	20.90	20.80	20.90	20.80	20.90	20.80	20.90	20.90	20.80	20.80	20.90	20.90	20.80	20.90	20.90	20.80	20.80	20.80	20.90	20.90	20.90	20.80	20.80	20.80								
. DO:	8.70	8.94	8.57	8.74	8.70	8.95	8.86	8 93	8.79	8.90	8.66	8.62	8.83	8.95	8.80	8.93	8.81	8.96	8.78	8.93	8.76	8.95	8.76	8.93	8.80	8.93	8.72	8.84	8.85	8.95	8.80	8.92								
Seed	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	330	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0								
(d)) Fac	-	-	<del></del> .	-	က	က	ო	က	-		₩	<del>-</del>	ro	က	က	ო	-	•	+	۳. >	က	က	က	3	-	~	-	<del></del>	က	ო	က	ო								
A 10.0	3.0	0.9	<b>20.0</b>	40.0	1.0	3.0	6.0	10.0	3.0	8.0	20.0	40.0	1.0	3.0	0.9	10.0	3.0	6.0	20.0	40.0	1.0	3.0	6.0	10.0	3.0	6.0	20.0	40.0	1.0	3.0	9.0	10.0								
4.	4	20.2.46		327	43	338	9	24	902	112	10	70	23	8	16	90	∞	17	15	615	806	69	42	H	7	154	77	m	82	13	∞	4						٠.		
Chlor	<0.2	:: ::y	•						2								2								7															
Init pH Adj pH Res ChlorBottle	0			,					<0.2	>							€,	<u>\</u>							/<0.2	<b>~</b>														
H.Adj.p	7	•							6.80								6.87	•	`					and the second second	6.73	٠														
Init p	6.82								8.19								7.58								4.39									٠.						
			÷	·4"	4												•																						-	
. :2	)3	٠ ج		.ec	23	ಜ	23	53	Z,	4	*	¥	Z.	Z.	<b>4</b>	)4	15	55	22	55	35	23	<b>Ω</b> .	15	90	9	90	92	92	90	99	æ							F	
Name 151,0207-02	0.207	151,0207-03	151,0207-03	15L0207-03	5L0207-03	15L0207-03	5L0207-03	5.0207-03	15L0207-04	51.0207-04	15L0207-04	5L0207-04	15L0207-04	510207-04	5L0207-04	15L0207-04	SL0207-05	15L0207-05	5L0207-05	51.0207-05	SL0207-05	5L0207-05	15L0207-05	50207-05	15L0207-06	15L0207-06	5L0207-06	15L0207-06	5L0207-06	5L0207-06	50207-06	5L0207-06								
			•	•		•	*	- 1	4	4	•	-	*-	<del>/</del>	-	`	-	4	4-	4	•	•	•	*-	•	Ψ	~	•	4-	•	4	_								
7 Sample		08 Sample	08 Sample	08 Sample	09 Sample	09 Sample	09 Sample	09 Sample	09 Sample	09 Sample	09 Sample	09 Sample	09 Sample	99 Sample	39 Sample	39 Sample	39 Sample	99 Sample	9 Sample	39 Sample	39 Sample	99 Sample	10 Sample	10 Sample	10 Sample	10 Sample	10 Sample		10 Sample	10 Sample	10 Sample	10 Sample						5		
Pos Tray 14 Tray08	15 Tray08	16 Tray08	7 Tray08	18 Tray08	1 Tray09	2 Tray09	3 Tray09	4 Tray09	5 Tray09	6 Tray09	7 Tray09	8 Tray09	9 Tray09	10 Tray09	1 Tray09	12 Tray09	13 · Tray09	4 Tray09	5 Tray09	6 Tray09	7 Tray09	18 Tray09	1 Tray10	2 Tray10	3 Tray10	4 Tray10	5 Tray10	6 Tray10	7 Tray10	8 Tray10	9 Tray10	10 Tray10						, 5 of		
ď	1	-	-	7					1					Ψ	₹ .	_	-	-	<b>4</b> -	Arra	4	*		1						-		*						Pag	ge 23	ot 23



# Metropolitan Saint Louis Sewer District 2350 Market Street Saint Louis, Missouri 63103-2555

VA MEDICAL CENTER 915 N. Grand Blvd. St. Louis, MO 63106

Attn: Mike Stogsdill

Pipe Shop Superviosr

#### INDUSTRIAL WASTEWATER DISCHARGE PERMIT NUMBER 1008545900.

#### ANNUAL PERMIT FEE NOTICE

For permits in effect as of 10/01/2015.

Fee will be included in a separate bill from the Metropolitan St. Louis Sewer District.

#### **Explanation of Charges**

Fee for Pretreatment Program Discharge Permit covering the period October 1, 2015 through September 30, 2016, issued in accordance with the Metropolitan St. Louis District Ordinance #12413 for the location at **915 N. Grand Boulevard**.

Base charge @ \$150.00 per permit Volume charge @\$0.72 per average daily Ccf Sample Point Charge @\$100.00 per sample point

79.52 Ccf(s) 2 Point(s) \$150.00 57.25 200.00

Total Fee Due:

407.25

For inquiries about the Annual Permit Fee, please call 314-436-8756. For inquiries about payment of the fee, which appears on your monthly bill, please call 1-866-281-5737.

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

<u> 1008-5459-00</u>

PART I:

**IDENTIFYING INFORMATION** 

Company Name: VA MEDICAL CENTER³

Permit No: 1114046000-2

Effective Date: 02/01/2012

Expiration Date: 01/31/2017

Premise Address: 915 N. Grand Blvd, 63106

Monitoring Period:

□(JAN-MAR)

□(APR-JUNE)

又(JULY-SEPT)

□(OCT-DEC)

Samples Collected By: Environ mental Analyses Performed By:

PART II: ANALYTICAL RESUL	TS OF SE	LF MONITOR	ING							
MSD SAMPLE POINT REFERENCE NUMBERS	E\$	001	0	002						
DATES ON WHICH SAMPLES WERE COLLECTED	⇨	07/23/20	15 07	/23/2015						
TIMES AT WHICH SAMPLES WERE COLLECTED	⇔	11:25		:40						
PARAMETER	LIMIT	RECORD SAMPI ( G=grab, C	RECORD SAMPLE TYPES (G, C, M OR E) AND RESULTS BELOW ( G=grab, C=composite, M=measured flow, E=estimated flow )							
FLOW		84,00	OE	25,000	百	991104				
BOD		58	2	226	С	male				
COD		218	C	225	c	malL				
Total phenols		6.00	G	5.41	G	mdl				
Total phenols		0.025	5 G- (	0.0181	G	malL				
135		60.0	C	1190	C	mall				
loH		7.60	) G	7.30	6	PHUNITS				
Temp		13.2	6	14.1	6	02				
TTO		0.153	2 6	0-152	G	MylL				
					***************************************					
		***************************************								

You must complete and sign the certification statements on the second page.

#### INDUSTRIAL USER SELF MONITORING REPORT PAGE 1

FART BY SPECIAL CERTIFICATION STATEMENTS

the 100 the three conditions contained in your discharge permit you may be required to baruly the research. PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS

1.6

#### PART IV: GENERAL CERTIFICATION STATEMENTS

LISCHARGE MONITORING REPORT CERTIFICATION

Pipe Shop Supervisor

All permittees must sign and complete the information below:

Solvers and persons of Early that this document and all attachments were prepared under my line that a local solvers as system designed to assure that qualified personnel properly gather and evaluate the information submitted. Business, and manage the system, or those persons directly responsible for gathering the information, the management of the system. s to the best or my knowledge and belief, true, accurate, and complete. I am aware that there are significant porcatios have on the complete. the mattern, including the possibility of fine and imprisonment for knowing violations

Michael Stossoil

Teicpnone 314-286-6450

Date Sept 11 2015

2

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART 1: IDENTIFYING INFORMATION	
Company Name: VA-St Louis He	alth Care System
Permit No: 11140460-00	
Premise Address: 915 N. Grad Br	lud, ST Louis MO 63/06
Reporting Powinds Of the Control	PR-JUNE) $\Theta$ (JULY-SEPT) $\Theta$ (OCT-DEC)
PART II: RECORD OF DISPOSAL OF RADIOACT	IVE MATERIALS TO THE SEWER SYSTEM
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
Any / ALL	Z Z
TOTAL ACTIVITY DISCHARGED:	7
	<u> </u>
· · · · · · · · · · · · · · · · · · ·	
Place your initials in the box under item Everyone must complete the information under	A. der items A & B and sign this report
A. CERTIFICATION OF COMPLIANCE WITH STA	·
I certify that to the hest of my knowledge of	that is a state of the state of
	by release into sanitary sewage for material
B. RADIOACTIVE MATERIALS DISCHARGE REPO	_
I certify under penalty of Law that this document a direction or supervision in accordance with a syster properly gather and evaluate the information submit persons who manage the system, or those persons directly information submitted is, to the best of my known and a makes that there are significant penalties for possibility of fine and imprisonment for knowing visual statements.	am designed to assure that qualified personnel cited. Based on my inquiry of the person or rectly responsible for gathering the information, buledge and belief, true, accurate, and complete.
Print/type name of signing official: 6-44	1
Title: KALLATION SUFFTY OFFICER	Telephone: 314 452 4100 x 54832
Signature: Jan 2 / kall!	Date: 14 Sep 15
	/ radrpt.doc 2/00

**Client Sample Results** 

Client

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

15G0136

Client Sample ID: 001 Composite

Report Date: 07/30/2015

Collection Date: 07/23/2015 11:25

Matrix: Wastewater

Lab ID: 15G0136-01

EMT Reporting Date/Time Analyses Limit Qual Units Analyzed Analyst Wet Chemistry Method: HACH 8000 Chemical Oxygen Demand 218 10.0 mg/L 07/24/15 13:05 B5G0946 LS3 (COD) Method: SM2540D Suspended Solids (Residue, Non-filterable) 60.0 15.0 mg/L

Method: SM5210 B

**Biochemical Oxygen Demand** 

15

58

mg/L

07/24/15 10:56

07/27/15 09:00

B5G0923

B5G0973

CS3

T82



#### **Client Sample Results**

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

15G0136

Client Sample ID: 001 Grab

Report Date: 07/30/2015

Collection Date: 07/23/2015 11:20

Matrix: Wastewater

Lab ID: 15G0136-02

Analyses	Result	EMT Reporting Limit	Qual L	Inits	Date/Time Analyzed	Batch	Analyst
is-englischen programmen state der der der der der der der der der de					the same also design on a gap of a gap on a gap of a gap		
n Site Analysis							
Method: SN	12550-B						
Temperature	13.2		*(	C	07/23/15 11:20	B5G0942	AR
RE-4h - d. PN	84500 U						<del></del>
Method: SN		0.05	_	L. Heite	07/23/15 11:20	B5G0942	۸۵
pH	7.60	0.05	p	H Units	07/23/15 11:20	B3G0942	AR
Vet Chemistry							
Method: E1	664A						
Oil and Grease (HEM)	6.00	4.00	n	ng/L	07/28/15 07:00	B5G1032	AP1
		wa-y					
Method: E4	20.1 Rev.1978 b	•	m				
Phenolics, Total Recoverable	0.0255	0.0100	n	ng/L	07/24/15 13:06	B5G0922	CS2
Interitor Community Community	d. b., 00.20						
/olatile Organic Compoun	-						
Method: E6							
1,1,1-Trichloroethane	< 0.00200	0.00200	n	ng/L	07/25/15 12:50	85G1159	JL
1,1,2,2-Tetrachloroethane	< 0.00200	0.00200	n	ng/L	07/25/15 12:50	85G1159	JL
1,1,2-Trichloroethane	< 0.00200	0,00200	π	ng/L	07/25/15 12:50	B5G1159	JL
1,1-Dichloroethane	< 0.00200	0.00200	n	ng/L	07/25/15 12:50	B5G1159	JL
1,1-Dichloroethene	< 0.00200	0.00200	n	ng/L	07/25/15 12:50	B5G1159	JL
1,2-Dichlorobenzene	< 0.00400	0.00400	ī	ng/L	07/25/15 12:50	B5G1159	JL
1,2-Dichloroethane	< 0.00200	0.00200	n	ng/L	07/25/15 12:50	B5G1159	JL
1,2-Dichloropropane	< 0.00200	0.00200	ď	ng/L	07/25/15 12:50	B5G1159	JL
1,3-Dichlorobenzene	< 0.00200	0.00200		19/L	07/25/15 12:50	B5G1159	JL
1,4-Dichlorobenzene	< 0.00400	0.00400		ng/L	07/25/15 12:50	B5G1159	JL
2-Chloroethyl vinyl ether	< 0.0100	0,0100		ng/L	07/25/15 12:50	B5G1159	JL
Acrolein	< 0.0100	0.0100		ng/L	07/25/15 12:50	B5G1159	JL
Acrylonitrile	< 0.00400	0.00400		ng/L	07/25/15 12:50	B5G1159	JL
Benzene	< 0.00200	0,00200		ng/L	07/25/15 12:50	B5G1159	JL
Bromodichloromethane	< 0.00200	0.00200		ng/L	07/25/15 12:50	B5G1159	JL JL
Bromoform	< 0.00200	0.00200		ng/L	07/25/15 12:50	B5G1159	JL
Bromomethane	< 0.00200	0.00200		19/L	07/25/15 12:50	B5G1159	JL
Carbon tetrachloride	< 0.00400	0.00400		_	07/25/15 12:50	B5G1159	JL
Caroon letrachionoe Chlorobenzene	< 0.00200			1g/L 20/1		B5G1159	JL
		0,00200		ng/L	07/25/15 12:50 07/25/15 12:50	B5G1159	JL JL
Chloroethane	< 0.00800	0.00800		1g/L		B5G1159	JL JL
Chloroform	< 0.00200	0.00200		19/L	07/25/15 12:50		
Chloromethan a	< 0.00400	0.00400		1g/L	07/25/15 12:50	B5G1159	JL
sis-1,3-Dichloropropene	< 0.00100	0.00100		ng/L	07/25/15 12:50	B5G1159	JL 11
Dibromochloromethane	< 0.00200	0.00200		19/L	07/25/15 12:50	B5G1159	JL "
Ethylbenzene	< 0.00200	0.00200		1g/L	07/25/15 12:50	B5G1159	JL 
n,p-Xylene	< 0.00400	0.00400		ng/L	07/25/15 12:50	B5G1159	JL "
Methylene chloride	< 0.00200	0.00200		<b>19</b> /L	07/25/15 12:50	B5G1159	JL
-Xylene	< 0.00400	0.00400		ng/L	07/25/15 12:50	B5G1159	JL
Tetrachloroethene	< 0.00400	0.00400	m	ıg/L	07/25/15 12:50	B5G1159	JŁ



# **Client Sample Results**

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

15G0136

----

Client Sample ID: 001 Grab

Report Date: 07/30/2015

Collection Date: 07/23/2015 11:20

Matrix: Wastewater

Lab ID: 15G0136-02 (Continued)

					<b>Lab ID</b> : 15G0136-02 (Continued)			
Analyses	Result	EMT Reporting Limit	Qual	Units		Date/Time Analyzed	Batch	Analyst
Volatile Organic Compound	s by GC/MS	(Continue	d)	**************************************	THE RESIDENCE OF THE PROPERTY		***************************************	
Method: E624								
Toluene trans-1,2-Dichloroethene trans-1,3-Dichloropropene Trichloroethene Trichloroftuoromethane Vinyl chloride Xylenes, Total 1,2-Dichloroethene, Total 1,3-Dichloropropene, Total	< 0.00200 < 0.0100 < 0.00100 < 0.00200 < 0.00800 < 0.00200 < 0.00800 < 0.0200 < 0.00200	0.00200 0.0100 0.00100 0.00200 0.00800 0.00200 0.00800 0.00200		mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		07/25/15 12:50 07/25/15 12:50 07/25/15 12:50 07/25/15 12:50 07/25/15 12:50 07/25/15 12:50 07/25/15 12:50 07/25/15 12:50	B5G1159 B5G1159 B5G1159 B5G1159 B5G1159 B5G1159 B5G1159 B5G1159	JL JL JL JL JL JL JL
Surrogate: Dibromofluoromethane Surrogate: 1,2-Dichloroethane-d4 Surrogate: Fluorobenzene Surrogate: Toluene-d8 Surrogate: 4-Bromofluorobenzene Surrogate: 1,2-Dichlorobenzene-d4			S	Recovery: 119% Recovery: 121% Recovery: 97% Recovery: 93% Recovery: 96% Recovery: 103%	Limits: 85-115 Limits: 70-120 Limits: 80-120 Limits: 85-120 Limits: 75-120 Limits: 70-120	07/25/15 12:50 07/25/15 12:50 07/25/15 12:50 07/25/15 12:50 07/25/15 12:50 07/25/15 12:50	85G1159 85G1159 85G1159 85G1159 85G1159 85G1159	JL JL JL JL JL JL



**Client Sample Results** 

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 002 Composite

Report Date: 07/30/2015

Collection Date: 07/23/2015 11:40

Matrix: Wastewater

Work Order:

15G0136

Lab ID: 15G0136-03

Analyses	Result	EMT Reporting Limit	Qual	Units	Date/Time Analyzed	Batch	Analyst
Net Chemistry				The state of the s			
Method: HACH	8000						
Chemical Oxygen Demand (COD)	225	10.0		mg/L	07/24/15 13:05	B5G0946	LS3
Method: SM254	0D			***************************************			
Suspended Solids (Residue, Non-filterable)	1190	15.0		mg/L	07/27/15 09:00	B5G0973	TB2
Method: SM5210	В						
Biochemical Oxygen Demand	226	15		mg/L	07/24/15 10:56	B5G0923	CS3



#### Client Sample Results

(Continued)

Client:

Work Order:

St. Louis VA Medical Center

Project:

VASTL John Cochran

15G0136

Client Sample ID: 002 Grab

Report Date: 07/30/2015

Collection Date: 07/23/2015 11:35

Matrix: Wastewater Lab ID: 15G0136-04

EMT Reporting Date/Time Analyses Limit Qual Units Analyzed Batch Analyst On Site Analysis Method: SM2550-B °C 07/23/15 11:35 B5G0942 AR 14.1 Temperature Method: SM4500-H 07/23/15 11:35 B5G0942 AR 7.30 0.05 pH Units рΗ Wet Chemistry Method: E1664A AP1 07/28/15 07:00 B5G1032 Oll and Grease (HEM) 5,41 4.00 ma/L Method: E420.1 Rev.1978 by Aquachem 07/24/15 13:06 CS₂ B5G0922 Phenolics, Total Recoverable 0.0181 0.0100 mg/L Volatile Organic Compounds by GC/MS Method: E624 / SW\$030 07/25/15 13;21 B5G1159 JL < 0.00200 0.00200 mg/L 1,1,1-Trichloroethane 07/25/15 13:21 B5G1159 JL 1,1,2,2-Tetrachloroethane < 0.00200 0.00200 mg/L 1,1,2-Trichloroethane < 0.00200 0.00200 mg/L 07/25/15 13:21 B5G1159 JL 07/25/15 13:21 B5G1159 JL 1,1-Dichloroethane < 0.00200 0.00200 mg/L 1,1-Dichloroethene < 0.00200 mg/L 07/25/15 13:21 85G1159 JL 07/25/15 13:21 B5G1159 mg/L JL < 0.00400 0.00400 1.2-Dichlorobenzene < 0.00200 0.00200 mg/L 07/25/15 13:21 B5G1159 л. 1,2-Dichloroethane 07/25/15 13:21 85G1159 JL 1.2-Dichloropropane < 0.00200 0.00200 mg/L < 0.00200 07/25/15 13:21 B5G1159 JL 1,3-Dichlorobenzene 0.00200 mg/L 07/25/15 13:21 B5G1159 JL < 0.00400 0.00400 mg/L 1,4-Dichlorobenzene < 0.0100 0.0100 mg/L 07/25/15 13:21 B5G1159 JL 2-Chloroethyl vinyl ether 07/25/15 13:21 B5G1159 JL. < 0.0100 0.0100 mg/L Acrolein Acrylonitrile < 0.00400 0.00400 mg/L 07/25/15 13:21 B5G1159 JL 07/25/15 13:21 B5G1159 JŁ < 0.00200 0.00200 mg/L Benzene Bromodichloromethane < 0.00200 0.00200 mg/L 07/25/15 13:21 B5G1159 JL 07/25/15 13:21 B5G1159 JL < 0.00200 0.00200 Bromoform ma/L < 0.00400 0.00400 mg/L 07/25/15 13:21 B5G1159 JL Bromomethane < 0.00400 07/25/15 13:21 B5G1159 JL Carbon tetrachloride 0.00400 ma/L 07/25/15 13:21 B5G1159 JL Chlorobenzene < 0.00200 0.00200 mg/L 07/25/15 13:21 B5G1159 JL Chloroethane < 0.00800 0.00800 mg/L 07/25/15 13:21 B5G1159 JL Chloroform < 0.00200 0.00200 mg/L 07/25/15 13:21 B5G1159 JL Chloromethane < 0.00400 0.00400 mg/L 07/25/15 13:21 B5G1159 JL cis-1,3-Dichloropropene < 0.00100 0.00100 mg/L < 0.00200 07/25/15 13:21 B5G1159 JL Dibromochloromethane 0.00200 mg/L 07/25/15 13:21 B5G1159 JL < 0.00200 0.00200 mg/L Ethylbenzene < 0.00400 0.00400 mg/L 07/25/15 13:21 B5G1159 JL m,p-Xylene < 0.00200 0.00200 07/25/15 13:21 B5G1159 JL ma/L Methylene chloride < 0.00400 0.00400 mg/L 07/25/15 13:21 B5G1159 JL o-Xylene < 0.00400 07/25/15 13:21 B5G1159 JL 0.00400 Tetrachloroethene mg/L

> experts at providing environmental testing solutions water / soil - waste / product / sampling

Page 9 of 29



# **Client Sample Results**

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 002 Grab

Report Date: 07/30/2015

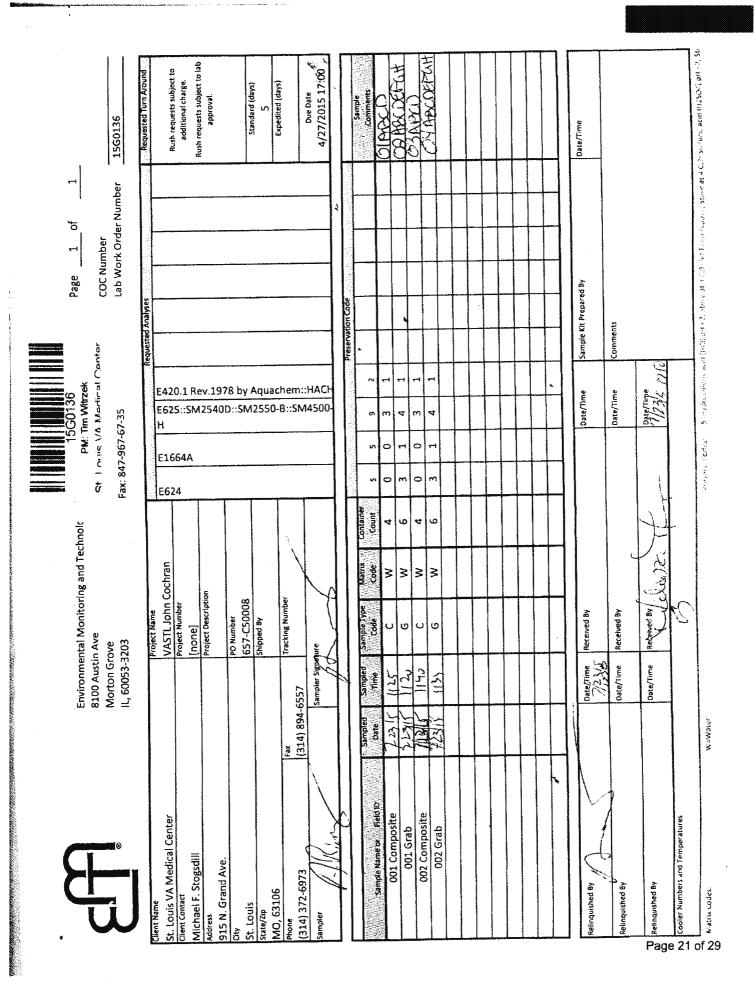
Collection Date: 07/23/2015 11:35

Matrix: Wastewater

Lab ID: 15G0136-04 (Continued)

Work Order: 15G0136

Analyses	Result	EMT Reporting Limit		Units		Date/Time Analyzed	Batch	Anchine
	Dieden verschen von der gestellt gestel	3000-00-11-11-11-11-11-11-11-11-11-11-11-		**************************************	lannhadur der sånnar direstrukrekkeller SKH SKAP-SKK HILV SKK SKK Skk Skitsjektjer († 1886	AllalyZeu	Daten	Analyst
Volatile Organic Compounds	•	•	ea <i>j</i>					
Method: E624	/ SW5030 (Co	ntinued)						
Toluene	< 0.00200	0.00200		mg/L		07/25/15 13:21	B5G1159	JL
trans-1,2-Dichloroethene	< 0.0100	0.0100		mg/L		07/25/15 13:21	B5G1159	JĹ
trans-1,3-Dichloropropene	< 0.00100	0.00100		mg/L		07/25/15 13:21	B5G1159	JL
Trichloroethene	< 0.00200	0.00200		mg/L		07/25/15 13:21	B5G1159	JL.
Trichlorofluoromethane .	< 0.00800	0.00800		mg/L		07/25/15 13:21	B5G1159	JL
Vinyl chloride	< 0.00200	0.00200		mg/L		07/25/15 13:21	B5G1159	JL
Xylenes, Total	< 0.00800	0.00800		mg/L		07/25/15 13:21	B5G1159	JL
1,2-Dichloroethene, Total	< 0.0200	0.0200		mg/L		07/25/15 13:21	B5G1159	JL
1,3-Dichloropropene, Total	< 0.00200	0.00200		mg/L		07/25/15 13:21	B5G1159	JL
Surrogate: Dibromofluoromethane			S	Recovery: 124%	Limits: 85-115	07/25/15 13:21	B5G1159	JL
Surrogate: 1,2-Dichloroethane-d4			S	Recovery: 126%	Limits: 70-120	07/25/15 13:21	B5G1159	JL
Surrogate: Fluorobenzene				Recovery: 96%	Limits: 80-120	07/25/15 13:21	B5G1159	JL
Surrogate: Toluene-d8				Recovery: 93%	Limits: 85-120	07/25/15 13:21	B5G1159	JL
Surrogate: 4-Bromofluorobenzene				Recovery: 102%	Limits: 75-120	07/25/15 13:21	B5G1159	JL
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 104%	Limits: 70-120	07/25/15 13:21	B5G1159	JL





# ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Sampler I. Battery I.D Sampling I Multiplex_ Number of	D	Wind Sampler Type  Sample Collected At	Meter I.D. Battery I.D. Reading Level Total Flow Primary Device Maximum Head Height	Date 1/12/2  Departure Time 1/12/2  Meter Type  Actual Level  Sampler Start Time 1/1/10
2		Coep manif	SAMA	Cloudy Clear Milky Oil Film Foamy Flock Sediment Color Other
14	er Flow		RDL ACTL Date/1_]//	7.0 = 4.0 = 10.0 = Grab Time Grab pH Grab Temp



# ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

Sampler I.D. 36  Battery I.D. 19  Sampling Interval  Multiplex	- Jon- Tvy	Arrival Time 10:21  Meter I.D.  Battery I.D.  Reading Level  Total Flow	_ Meter Type
	Sample Collected At 10.		` <b>~</b> ,
Time/Flow/Storm	ICE/Ref:		Campaign Charle Times
2. 3. 4. 5. 6. 7. 8. 9.	Description / C	Comments	Cloudy Clear Milky Oil Film Foarny Flock Sediment Color Other
13			7.0 = 7.0 a  4.0 = 7.0 a  10.0 = 7.0 a  10.0 = 7.0 a  Grab Time 7.0 a  Grab pH 7.0 a  Grab Temp 74.3  Incoming Meters
Client Meter Flow Technician	SnSignatureSignature	RDL ACTL Date Date	<i>l</i> .,

22

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

1008-5459-00

PARTI:

IDENTIFYING INFORMATION

Company Name: VA MEDICAL CENTER

Permit No: 1114046000-2

Effective Date: 02/01/2012

Expiration Date: 01/31/2017

Monitoring Period:

Premise Address: 915 N. Grand Blvd, 63106

(APR-JUNE)

□(JULY-SEPT)

□(OCT-DEC)

Samples Collected By: Envilon mental

□(JAN-MAR)

Monitoring and technologies

Analyses Performed By: Emt

ART II: ANALYTICAL RESULT			MOMIONIA	<u> </u>			000	
ISD SAMPLE POINT REFERENCE NUMBERS	⇒		201		002			1
ATES ON WHICH SAMPLES WERE COLLECTED	<b>\$</b>	0	5/05/15	0	002 5/05/15	1	······································	
MES AT WHICH SAMPLES WERE COLLECTED	₽		3:35		14:05			
PARAMETER	LIMIT	RE	CORD SAMPLE 7	TYPES	G (G, C, M OR E) A	ND RE	SULTS BELOW	UNIT
.ow		E	84,000	E	. 7			-
30 D			173	6				
COD		C	174	C	59.5			
oiland Grease T		6	24,00	G				<b> </b>
TSS		C	129	C	36.0		V	<b> </b>
Temp	-	G	.51.1	G	18.3			
PH'		G	7.80	6	7.60			
Total Phenols		G	0.0343	G	0.0319			
				,				
						$\dashv$		
· ·						$\neg \uparrow$		-
						+		
						_		
		$\dashv$				-+		

You must complete and sign the certification statements on the second Refe. C E I V E D

MAY 2 2 2015

#### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

# FART LE SPECIAL CERTIFICATION STATEMENTS

The FC to The 1980s (Coloring), Contained in your discharge permit you may be required to be rity the total one The First Annual Contained and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS

COSE

#### PART IV: GENERAL CERTIFICATION STATEMENTS

DISCHARGE MONITORING REPORT CERTIFICATION

All permittees must sign and complete the information below:

socially of deripensity of Lew that this document and all attachments were prepared order my direction or our area or oncommon and an expect of estimated to assure that qualified personnel properly gather and evaluate the information submitted. Based on any orders are submitted or persons who manage the system, or those persons directly responsible for gathering the order attending matter to the information of the information o

Print or tgue traine of signing efficier

Mile StogsDill

The Pipe Shop Superevisore

Super VI3022 Telephone 314-289-6450

Date: 5

.

RECEIVED

MAY 2 2 2015

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name: VA-ST LOWIS HEALTH	CARF SYSTE.
retmit No:	
Premise Address: 915 N. Grand M/L	d < 7 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /
Reporting Period: $\Theta(JAN-MAR)$ $\Theta(A$	
O(A	$\Theta(JULY-SEPT)$ $\Theta(OCT-DEC)$
PART II: RECORD OF DISPOSAL OF RADIOACT	TIVE MATERIALS TO THE SEWER SYSTEM
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
ALL /ANY	
TOTAL ACTIVITY DISCHARGED:	<u> </u>
PART III: CERTIFICATION STATEMENTS	
Place your initials in the box under item Everyone must complete the information und	A. Ler items A & B and oins this
CERTIFICATION OF COMPLIANCE WITH STAT	TE AND FEDERAL REGULATIONS
I certify that to the best of my knowledge & and 19 CSR Part 20-10 000	belief, all requirements of 10 CFR Part 20 2003 by release into sanitary several by CFR Part 20 2003
B. RADIOACTIVE MATERIALS DISCHARGE REPOR	RT CERTIFICATION MAY 2 2 2015
I certify under penalty of Law that this document ar direction or supervision in accordance with a system properly gather and evaluate the information submitt persons who manage the system, or those persons dire the information submitted is, to the best of my know I am aware that there are significant penalties for possibility of fine and imprisonment for knowing vio	ad all attachments were prepared under my designed to assure that qualified personned person or each responsible for gathering the information, elede and belief. True accurate
Print/type name of signing official: GA	RY L HALL
Title: KANIATION SAFETY CFFICER	Telephone: 314 6524100ext 54832
Title: KANIATION SAFETY CFFICER Signature: Lan 2/2013	Date: 18 MAY 2015  radrpt.doc 2700
	radrpt.doc 2/00



Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

0.0343

Project:

Work Order;

VASTL John Cochran

15D0433

Client Sample ID: 001 Grab

Report Date: 05/13/2015

Collection Date: 05/05/2015 13:35

Matrix: Wastewater

Lab ID: 15D0433-02

05/12/15 13:36

85E0463

ML3

EMT Reporting Date/Time Analyses Result Limit Qual Units Analyzed Batch Analyst On Site Analysis Method: SM2550-B Temperature 21.1 °C 05/05/15 13:35 B5E0271 AR Method: SM4500-H pΗ 7.80 0.05 pH Units 05/05/15 13:35 B5E0271 AR Wet Chemistry Method: E1664A Oil and Grease (HEM) < 4.00 4.00 mg/L 05/07/15 07:21 85E0273 AP1 Method: E420.1 Rev.1978 by Aquachem Phenolics, Total Recoverable

mg/L

RECEIVED

MAY 2 2 2015



**Client Sample Results** 

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

15D0433

Client Sample ID: 001 Composite

Report Date: 05/13/2015

Collection Date: 05/05/2015 13:45

Matrix: Wastewater

Lab ID: 15D0433-01

**EMT** 

Reporting Date/Time Analyses Result Limit Qual Units Analyzed Batch Analyst Wet Chemistry Method: HACH 8000 Chemical Oxygen Demand 174 10.0 ma/L 05/06/15 13:10 B5E0250 (COD) Method: SM2540D Suspended Solids (Residue, 129 15.0 mg/L 05/06/15 12:55 B5E0246 TB2 Non-filterable) Method: SM5210 B Biochemical Oxygen Demand 173 15 mg/L 05/06/15 13:01

RECEIVED

B5E0234

CS₃

MAY 2 2 2015



Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

15D0433

Client Sample ID: 002 Grab

Report Date: 05/13/2015

Collection Date: 05/05/2015 14:05

Matrix: Wastewater

Lab ID: 15D0433-04

EMT

Reporting Limit

Date/Time

Analyzed

Batch Analyst

On Site Analysis

Method: SM2550-B

Temperature

Analyses

18.3

Result

°C

Qual Units

05/05/15 14:05

B5E0271

AR

Method: SM4500-H

pН

7.60

0.05 pH Units 05/05/15 14:05

AR

Wet Chemistry

Oil and Grease (HEM)

Method: E1664A

< 4.00 4.00

mg/L

05/07/15 07:21

B5E0273

AP1

Method: E420.1 Rev.1978 by Aquachem

Phenolics, Total Recoverable

0.0319

0.0100

mg/L

05/12/15 13:36

B5E0463

ML3

RECEIVED

MAY 2 2 2015



Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

15D0433

Client Sample ID: 002 Composite

Report Date: 05/13/2015

Collection Date: 05/05/2015 14:00

Matrix: Wastewater

Lab ID: 15D0433-03

EMT Reporting Date/Time Analyses Result Limit Qual Units Analyzed Batch Analyst Wet Chemistry Method: HACH 8000 Chemical Oxygen Demand 59.5 10.0 mg/L 05/12/15 11:45 B5E0497 LS₃ (COD) Method: SM2540D Suspended Solids (Residue, 15.0 mg/L 05/06/15 12:55 B5E0246 TB₂ Non-filterable) Method: SM5210 B Biochemical Oxygen Demand 2 mg/L 05/06/15 13:01 B5E0234 CS3

RECEIVED

MAY 2 2 2015



# ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Client	John Con	412	_ Outfall I.D <i>OO /</i> _	Date 5/5/16
Ambient Wea	ther <u>83°C/</u>	a Wind (0.5) 1	Arrival Time (3.20)	Departure Time /3' > C
Sampler I.D.	30	Sampler Type 15 Ca	Meter ID	_ Meter Type
pattery i.b.	/ • -		Patton In	
Sampling Inte	rval30_/	nic	Reading Level	Actual Level
Multiplex	Con		Total Flow	_ Actual Level
Number of Sa	mples 43	Sample Collected At 354	Primary Device	
time/Flow/Sto		ICE/Ref:	Maximum Head Height	
Install	Service	Pull		Sampler Start Time
			Cample Illidation	_ Sampler Start Time
Bottle #	Volume	Description / Com	ments	Sanitary
1		······································		
2	<u> </u>		1//////////////////////////////////////	Cloudy
3	امسر	201 1/ -000	11- /3/-//	Clear
4	***************************************		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Milky
5		Timp 3,4	·	Oil Film
6		- fixag		Foamy
7	·····			Flock
8				Sediment
9		Done pollul b	Control of the second	Color Tre
10		P	101/4/1	Other
	***************************************	***************************************		
		***************************************		
				pH Meter Calibration
				7.0 = 205
		•••••••••••••••••••••••••••••••••••••••		$4.0 = \frac{6}{2} \frac{\partial f}{\partial x}$
				10.0 = \( \text{\$\text{\$\sigma\$}} \)
				Grab Time 13:35
10				Grab pH <u>2.8</u>
				Grab Temp
				P and a second
				Incoming Markers
·				Incoming Meters
				RECEIVED
Client Meter F	low	SrrRDL	ACTL	MAY 2 2 2015
Technician	446	_Signature_/	Date 5/5/	DIVISION OF
Technician		_Signature	Date	ENVIRONMENTAL COMPLIANCE



# ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Client John Color	Wind (Ci) V Sampler Type 150	·	· · · · · · · · · · · · · · · · · · ·
Number of Samples	Sample Collected At	Primary Device	
Time/Flow/Storm	/CE/Ref:	Maximum Head Height _	\
Instalt Service	Pull	Sample Initiation	
2 3 4 5 6 7 8 9	(JO)) Man	1 Smm	Clear Milky Oil Film Foamy Flock Sediment Color
12	2		pH Meter Calibration 7.0 = 4.0 = 10.0 =  Grab Time  Grab Temp
22			Incoming Meters  RECEIVED
Client Meter Flow Technician Technician	SnlSignature	RDL ACTL Date	MAY 2 2 2015  DIVISION OF ENVIRONMENTAL COMPLIANCE



#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

Client John Cocha	Outfall I.D. 002 Date 5/5/17
Ambient Weather 93 Cla Wind (0-1) L	Arrival Time /3:55 Departure Time /9:77
Sampler I.U. 37 Sampler Type 13 c	Meter I.D. Meter Type
Battery I.D.	Battery I.D.
Sampling Interval	Reading Level Actual Level
Multiplex Comp	Total Flow
Number of Samples 75 Sample Collected At	Primary Device
fime/Flow/Storm ICE/Ref:	Maximum Head Height
Install Service Pull	Sample Initiation Sampler Start Time
	on / Comments Sanitary
1. 2. <i>f</i> 1 <i>M</i>	SS
3. 2p////	Cloudy Clear
	Clear Milky
5	•
6	
7.	
8. / / / / /	Sediment
9	
10	
11.	
	ful by your
14	The state of the s
15	
16.	
17.	Old Inne. / V
18.	Grah nH 7 /a
19.	Cook Town 19 >
20	
21,	
22	· · · · · · · · · · · · · · · · · · ·
23	
	RECEIVED
Client Meter Flow Sn	RDLACTL MAY 2 2 2015
Technician Signature Signature	Date 3/1/
TechnicianSignature	Date DIVISION OF ENVIRONMENTAL COMPLIANCE



# ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Client	Jeh Cah	Row	Outfall I.D.OD IA EU	Date 5/1/4
Ambient We	ather 9500	Wind 0-5/1/	Arrival Time 13:17	Departure Time/y@l
Sampler I.D.	39	Sampler Type 157	Meter I.D.	Meter Type
Battery I.D.	25		Battery I.D	
Sampling Int	erval3	2 n'n	Reading Level	Actual Level
Multiplex	Co	4	Total Flow	
Number of S	amples			
Time/Flow/S		/CE/Ref:		
tristail	Service	Pull		_ Sampler Start Time _/3:
Bottle #	Volume	Description / C	Comments	Sanitary
1		······································		. 、 SS
2				
3		120 10 100	1	Clear
	معسده	· · · · · · · · · · · · · · · · · · ·	SANI	\ -
				, .
			Acceptation and the second and the s	-
			***************************************	
				pH Meter Calibration
15	***************************************			4.0 =
16				10.0 =
		l		0100 11110
				(-toh lomn
				•
				-
		·		RECEIVED
		Sn	· · · · · · · · · · · · · · · · · · ·	ANAV 10 101E
Technician_	follow (	,	Date 5/1/2	MAY 2 2 2015
rechnician_	The state of the s	_ Signature	Date	DIVISION OF ENVIRONMENTAL COMPLIANCE

sr 4/8/15

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

-1008-5459-00

PART I: IDENTIFYING INFORMATION

Company Name: VA MEDICAL CENTER

Permit No: 1114046000-1

Effective Date: 1/1/2008

Expiration Date: 1/31/2012

Premise Address: 915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

**X**(JAN-MAR)

□(APR-JUNE)

□(JULY-SEPT)

□(OCT-DEC)

Samples Collected By: ENVIRON Ment Monitoring and Technologies Inc

Analyses Performed By: <u>EI111T</u>

PART II: ANALYTICAL RESULTS ( MISS SAMPLE POINT REFERENCE NUMBERS	낟	7	001	1	200			
EATES OF WHICH SAMPLES WERE COLLECTED	=>	1					angingangananan angunanan akaman angunang merupa	
TOBES AT WHICH SAMPLES WERE COLLECTED	⇔							
PARAMETER	LIMIT	RE	CORD SAMPLE T ( G=grab. C=cor	YPES	(G, C, M OR E) Al , M=measured flow, E	ND RE	ESULTS BELOW nated flow )	UNITS
FLYN		E	84,000	E	25,000			gallon
BOD		C	97	C	91			ingle
cob		C	508	2	588			mg/L
DiZ and Gregge T		6	8.77	6	24.6	<u></u>		Mill
Dil and Gregse T Total Phenols		G	6.0608	G	0.0501			MGIL
T35	-	C	156	C	898			MIL
PH		G	7.20	G	9.90			PHUMA
Temo		6	9.50	6	7.00			DC
			,					
			MANALE MANAGEMENT AND ADMINISTRATION OF THE PARTY OF THE					
	***********							
	j							
								1
								,

You must complete and sign the certification statements on the second page.

# INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

# PART III: SPECIAL CERTIFICATION STATEMENTS

The editor for Season conditions contained in your discharge sermit you may be required to certify the testowned in your discharge sermit you may be required to certify the testowned in the control of PEACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

# PART IV: GENERAL CERTIFICATION STATEMENTS

L DISCHARGE MONITCRING REPORT CERTIFICATION

•	All permittees must sign and complete the information below:
	thready under pensity of Law that this document and all attachments were prepared under my direction or such area to increases with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on the orange of the service of the service of the service with the service with the service of the serv
	Printerty a name of signing official Michael Stosson1
	The Pipe shop Supervisor Telephone: 314-289-6450
	Supplies Media of Care Acold Date:

# 3142897075

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name: VA-St Louis Ives/14	Care Sudan
Permit No: 11140460-00	
Premise Address: 915 North Gra	I Bludy ST Louis, MO 63106
Reporting Period: $\Theta(JAN-MAR)$ $\Theta(A)$	PR-JUNE) ⊕(JULY-SEPT) ⊕(OCT-DEC)
PART II: RECORD OF DISPOSAL OF RADIOACT	IVE MATERIALS TO THE SEWER SYSTEM
RADIQNUCLIDE	
ALL ANY	ACTIVITY DISCHARGED (millicuries)
100	9
	. ,
TOTAL ACTIVITY DISCHARGED:	<u>E</u>
PART III: CERTIFICATION STATEMENTS	
Place your initials in the box under item Everyone must complete the information und	A. er items A & B and sign this nament
A. CERTIFICATION OF COMPLIANCE WITH STATE	TE AND REPERM DECIMENTS IN 1801.
I certify that to the host of my branches	
and 19 CSR Part 20-10.090 governing disposal regulated by the Nuclear Regulatory Commission tively, have been met for the period covered	belief, all requirements of 10 CFR Part 20.2003 by release into sanitary sewage for material on and the Missouri Department of Health, respec- by this report.
B. RADIOACTIVE MATERIALS DISCHARGE REPOR	
I certify under penalty of Law that this document and direction or supervision in accordance with a system properly gather and evaluate the information submitt persons who manage the system, or those persons dire the information submitted is, to the best of my know I am aware that there are significant penalties for possibility of fine and imprisonment for knowing vio	ad all attachments were prepared under my a designed to assure that qualified personnel sed. Based on my inquiry of the person or actly responsible for gathering the information, sledge and belief, true, accurate, and complete.
Print/type name of sygning official: Car	/ // //
Title: Radation Safety Officer	
Signature: / Signature:	Telephone: 314 6524/60, ept 54832
1 1 100	Date: <u>26 Feb 2015</u>





**Client Sample Results** 

Client:

St. Louis VA Medical Center

Client Sample ID: 001 Composite

Project:

VASTL John Cochran

Report Date: 02/12/2015

Collection Date: 01/27/2015 13:45

Matrix: Wastewater

Work Order:

15A0331

Lab ID: 15A0331-01

	1	EMT Reporting		Date/I	ime ·	
Analyses	Result	Limit	Qual Unit	_ Analy	zed Batch	Analyst
Wet Chemistry						
Method: HACH	8000					
Chemical Oxygen Demand (COD)	508	10.0	mg/L	01/28/15	12:45 B5A0834	LS3
Method: SM254	.0D					
Suspended Solids (Residue, Non-filterable)	156	15.0	mg/L	01/28/15	13:00 B5A0835	TB2
Method: SM521	0 B					
Biochemical Oxygen Demand	97	15	mg/L	01/28/15	12:08 B5A0816	CS1





# **Client Sample Results**

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

Client Sample ID: 001 Grab

Report Date: 02/12/2015

Collection Date: 01/27/2015 13:40

Matrix: Wastewater

15A0331

Lab ID: 15A0331-02

Analyses	Result	EMT Reporting Limit Qu	ual Units	Date/Time Analyzed	Batch	Analyst
On Site Analysis	,	Walter Contraction	*			
Method: SM25	50-B			•		
Temperature	9.50		*C	01/27/15 13:40	B5A0836	AR
Method: SM45	600-Н				,	
pH	7.20	0.05	pH Units	01/27/15 13:40	B5A0836	AR
Wet Chemistry						
Method: E166	4A					
Oil and Grease (HEM)	8.77	4.00	mg/L	02/02/15 07:20	85B0004	JP1
Method: E420	.1 Rev.1978 by	y Aquachem				
Phenolics, Total Recoverable	8030.0	0.0100	mg/L	01/29/15 11:33	85A0866	ML3





#### Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

Client Sample ID: 002 Composite

Report Date: 02/12/2015

Collection Date: 01/27/2015 14:10

Matrix: Wastewater

Lab ID: 15A0331-03

15A0331

EMT Reporting Date/Time Analyses Limit Qual Units Result Analyzed Batch Analyst Wet Chemistry Method: HACH 8000 Chemical Oxygen Demand 588 10.0 mg/L 01/28/15 12:45 B5A0834 (COD) Method: SM2540D Suspended Solids (Residue, 898 15.0 mg/L 01/28/15 13:00 B5A0835 **TB2** Non-fifterable) Method: SM5210 B Blochemical Oxygen Demand 91 15 BOD mg/L 02/07/15 12:15 B5B0262 CS1 ResetH





www.emt.com

**Client Sample Results** 

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

Client Sample ID: 002 Grab

Report Date: 02/12/2015

Collection Date: 01/27/2015 14:05

Matrix: Wastewater

Lab ID: 15A0331-04

Analyses

**EMT** Reporting

Qual Units Limit

Date/Time Analyzed

Batch Analyst

On Site Analysis

Method: SM2550-B

Method: SM4500-H

Temperature 7.00

15A0331

°C

01/27/15 14:05

B5A0836

AR

рΗ

0.05

pH Units

01/27/15 14:05

B5A0836 AR

Wet Chemistry

Method: E1664A

Oil and Grease (HEM)

24.6

9.90

Result

4.00

0.0100

mg/L

02/02/15 07:20

B5B0004

JP1

Method: E420.1 Rev.1978 by Aquachem

Phenolics, Total Recoverable

0.0501

mg/L

01/29/15 11:33

B5A0866

ML3

COC Number Lab Work Order Number 15A0331

Phone: 800-246-0663 Fax: 847-967-67-35

Page 1 of

**CHAIN OF CUSTODY** 

Environmental Monitoring and Technologies

8100 Austin Ave Morton Grove Jl., 60053-3203

W
---

			Project Name	•		A CANADA	1	TO AND	Š	WW Requested Analyses ( Whith W)		1000	indepte de la constanta	(A) (N) (S)	principle of the Region of the Steel Period Stranger
St. Louis VA Medical Center	***************************************		VASTL John Cochran	Cochran			E16								
Client Contact			Project Number				554	-			· · · · · · · · · · · · · · · · · · ·			cornec	Rush requests subject to
Michael F. Stogsdill			[none]				IA		1.0					-0000000	additional charge.
Address 915 N. Grand Ave.			Project Descrip	fion		000000000000000000000000000000000000000				Alle Terribles com				,00000 <u></u>	Rush requests subject to lab approval.
City St. Louis			PO Number						220 6	nnnhnnnngase				-	
State/Zip			Shipped By	٥						-	-				Standard (days)
MO, 63106															\$
Phone (314) 372-6973	Fax (314) 894-6557	-6557	Tracking Number	ā					. L	14-17-11-12-12-12-12-12-12-12-12-12-12-12-12-				<b></b>	Expedited (days)
Sampler		Sampler Signature	ature				-	::HACH //4500-		y Y	- Automotive const	***************************************			Due Date 1/22/2015 17:00
			-			o constitution	SACAMANA	S. G. Red Ball Control	Adecratication	Parties and the Spread State of Society	er jagetjeren	CARAN PARA	A. A	- Anna Carte	
Olopal) - Joannie Name (Olopa)	Date	Sampled ()	"Sample Type Code?"	r. Code VIII	A. Containen			6	7			6 6 7 8	STATE OF THE STATE		Sample:
001 Composite	3/162//	1346/	U	Α.	4	0	0	3	1		_			Ĭ	0 R5CD
001 Grab	2/125/1	13,40	ŋ	≩	9	0	1	4	<b>+</b> -1						O2 HRCDEF
002 Composite	21/25/11	1410	U	⋧	4	0	0	3	1					_	CSABCD
002 Grab	122/10		9	Ж	9	0	7	4	7						OYABCIXF
	`						$\dagger$	$\dagger$	+	+					
							$\dagger$	$\dagger$	+		-				
								-		-	-			T	
														T	
								+							
								+	+		_		,		
Relinquished.BY		Oate/Timp	Received By	#Billiferensenmenters			ă	Date/Time	Ä	Sample Kit Prepared By	red By			-	Date/Time
Relinquished By		Date/Time	Received By				l ä	Date/Time	ğ	Comments					
Relinquished By	٠	Date/Time	Received by	)			ö	Date/Time	3						
Cooler Numbers and Temperatures			0					:							
Matrix Carlas.	<b>Тауу</b> речения									***************************************					

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL FACILITY <u>INSPECTION</u> REPORT

Compa	ny: VA Medical Center		A	ccount #: 100854590	0
Premise	e Address: 915 N Grand Boulevard		Zi	p Code: 63106	
MSD Cla	asses: SIU Non-Significant CIU	CIU	Surcharge	Non-Toxic Process Wa	ater/Wastes
	Toxics-Bearing Waste No Process D	ischarge 🗍	Multi-Use		dling/Billing
Compa	ny Representative: Mike Stogsdill	0		tourness E	0, 01
Title:	Pipe Shop Supervisor	<del></del>	Phor	ne#: (314) 289-6450	)
Inspect					
•	Present: None	***************************************			
	ion Date: 2/12/15 Time: From 08:55	SAM To	10:25 AM	(Last Insp. <u>2/1</u>	8/14)
торсос	7/11/10 / / / / / / / / / / / / / / / / /	<del>371111</del> 10	2012071111	(4031 1113p). <u>272</u>	<u> </u>
NOTE: AL	L ITEMS ARE TO BE COMPLETED BASED ON EVENTS SINCE	LAST INSPEC	TION. ANSWERS AR	E BASED ON INFORMATIO	N OBTAINED OR
	ROVIDED BY COMPANY DURING INSPECTION, AS WELL AS IN				
	•		•		
	*** DATABASE ALSO UPDATED WITH APPROF	PRIATE CHA	NGES - see attache	d database reports ***	
1.	A. ARE THERE ADDITIONAL NON-STORMWATER ACC	COUNT NUN	иBERS?		Yes□ No⊠
	List them, note any changes:				
	B. Did all acct no's have water usage on PIMS?				Yes⊠ No□
	C. If no to B, explain:				
2. PI	ROCESSES & CLEANUP/WASHDOWN:	Cont/	Water/Liquids	DISCHARGE Frequency	
	`	Batch?	Used?	(or how else disposed?	
H	ospital waste	Batch	Yes	daily	SP001,
_		ļ			SP002
Lā	ab waste	Batch	Yes	daily	SP001,
_					SP002
	oiler blowdown, NCCW-Autoclaves	Batch	Yes	daily	SP001
C	poling tower blowdown	Batch	Yes	daily	SP001,
		ļ			SP002
<b></b>	egeneration/Reject water	Batch	Yes	daily	SP001
Ki	tchen Waste	Batch	Yes	daily	SP001
promo	PRETREATMENT (other than grease traps) - describe:				Sample pt.
L	pH Adjustment/Neutralization	***************************************			SP001, SP002
_		t-docu	`		
		***************************************			
4.	DOES COMPANY HAVE ANY GREASE TRAPS?			ı	Yes⊠ No□
If yes:	A. List sample points: <u>SP001</u>			٠	
	B. What is the frequency for cleaning & maintenance	:e? <u>2 tim</u>	<u>es yrly</u>		
	C. Are any additives used in traps?			,	Yes□ No⊠
	D. If yes to C, was company warned MSD will bill them for	•	,		Yes⊠ No□
	E. Was company informed that MSD performs separate g	réase trap ins	spections?		Yes⊠ No□
_					
	HAS COMPANY CONSTRUCTED NEW BLDGS/ADDITIONS		ERS SINCE LAST INS	_	_ Yes∐ No⊠
If yes:	A. Ask company: Did they notify MSD's Plan Review	• .		Unknown[	
	B. If no or unknown, has inspector notified Plan Revi	iew group?			Yes No
	C. Comments:				
					,
,					•

Inspection report

6.	HAS	COMPANY BEGUN DISCHARGING ANY NEW POLLUTANTS SINCE THE LAST INSPECTION?	Yes□ No⊠
If yes:	Α.		
	В. С.	Will MSD STP exceed existing NPDES discharge limit(s)? Will MSD STP's discharge exceed 0.1 mg/l for any new pollutant?	Yes No
	С.	(MSD must notify MDNR if B or C is yes and discharge will continue [40CFR122.42(b)].)	Yes No
	D.	Comments:	
7.		THERE ANY FEDERALLY REGULATED (40 CFR 405-471) <u>OPERATIONS</u> THAT ARE "NOT APPLICABLE"? uding those that are 'No PSES' and 'General Stds Only')	Yes⊠ No□
If yes:	A.	List regulation & describe operations (including any discharge):	
	_	40 CFR 460 n/a- (No Stds)- This comprises of hospital waste derived from patient care services	
	В.	Explain why it is N/A:	
8.	ARE	THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS SUBJECT TO DISCHARGE LIMITS	? Yes□ No⊠
If yes:		List regulation & describe operations (including any discharge):	IE3 NOM
If yes to		Is maximum daily categorical discharge ≤ 100 GPD? (includes batch discharges)  C. Batch ☐ or Continuous ☐? Volume verified how?	Yes No
•		D. Does company ever discharge untreated, concentrated categorical wastewater?	Yes No
		E. Was company in SNC during <u>any</u> part of the previous <b>24</b> months?	Yes No
		F. Date of last NSCIU Certification Statement: or not currently NSCIU	
		(If no to B, yes to D or E, or Cert. Statement not submitted as required, company is not eligible	e to be an NSCIU)
9.	HAS	COMPANY CERTIFIED TO THE ABSENCE OF SPECIFIC CATEGORICAL POLLUTANTS?	Yes□ No⊠
If yes:		Certification date:	Les INO M
·		List absent pollutants:	
	C.	Were all these pollutants non-detect in all monitoring since certification was approved?	Yes No
		(If compared to intake water levels, explain details below)	7
ě	If no	o to C: D. Explain:	. — —
	F.	E. Does Wastewater Discharge Permit need to be updated to remove detected pollutant Comments:	ts? Yes No
	٠.		
		S CATEGORICAL WASTEWATER COMBINE WITH NON-CATEGORICAL WW PRIOR TO SAMPLING?	Yes□ No⊠
If yes:		At which points?	
		Current applied factor: Is it correct fno, list correct factor/explain?	ct? Yes No
	С.	in no, hist confect factor/explains	
11.	IS AN	IY WASTEWATER SUBJECT TO PRODUCTION 🔲 OR MASS 🔲 BASED STANDARDS?	Yes□ No⊠
If yes:		At which points?	
	В.	and the fermi and the form and production rate of discharge volume	Yes No
	_	changed by 20% or more?	
	C.	If yes to.B, explain:	
12.	ARF A	ANY RADIOACTIVE MATERIALS HANDLED?	Yes⊠ No
If yes:		Describe operations & disposal: VA Med Cter uses injectable Radioactive isotopes for diagnosi	
•		may get into the sewer through excretia which is allowed undre	
	В.	If non-exempt & disposed to sewer, does company submit quarterly reports to MSD?	NA Yes No
	_	(If No to B, write company & require quarterly reports of discharge to sewer - or have permit revise	ed as needed)
		Amount discharged in most recent four complete calendar quarters: 0	🖂 🦳
	U.	Is company in compliance with requirements of sewer use ordinance prohibition?	Yes⊠ No□
13.	DOES	COMPANY GENERATE WASTES/WASTEWATER BY GENETIC ENGINEERING RESEARCH?	Yes□ No⊠
If yes:		Does company render wastes/wastewater innocuous?	Yes No
		If yes, describe how:	
		Does company have MSD authorization for disposal to sewer?	NA Yes No
	υ.	Most recent authorization date:	

14.	DOES PROCESS OF F					Yes∐ No⊠		
	(IS COMPANY USIN							
	A. Explain how ι							
	Tour of the f	acility revealed	no excessive	water us	sages. A signficant portion of the water usage co	omes from Hospital		
					ver operations.			
15.	BASED ON OBSERV		G INSPECTION	i, DOES C	OMPANY APPEAR TO HAVE SOME WATER THAT I	S Yes⊠ No□		
If yes:	A. Describe:	Evaporative los	s from cooling	tower a	nd boiler blowdown			
	B. Was "Return					Yes⊠ No□		
	(regardless of	whether some	water is not o	discharge	d to sewer)	6d		
16.	HAS COMPANY BEE	N GRANTED A	VARIANCE FRO	OM DISCH	HARGE LIMITATIONS CONTAINED IN THE SEWER	Yes□ No⊠		
If yes:	A. Pollutant(s) a	nd variance lim	it:					
·	B. Latest approv							
	C. Is the approve		re than 5 year	s old?		Yes No		
	(If yes to C, a	new variance n	nust be reques	sted – <u>wri</u>	ite company)	. 35		
17.	HAVE ANY NUMERI CONTAINED IN THE			IED TO C	OMPANY, IN ADDITION TO THOSE ALREADY	Yes□ No⊠		
If yes:	A. Pollutant(s) ar			,				
, 00.				t of varia	nce above?			
18.	HAS COMPANY EXC	EEDED ORDINA	ANCE DISCHAR	GE LIMIT	S SINCE LAST INSPECTION	Yes□ No⊠		
	OR WITHIN THE LAST 12 MONTHS (if last insp <12 months ago)?							
If yes:	Sumple 13 problem resolved:							
	Pollutant	When	Points	Y/N	Describe			
				N/A				
				N/A		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
				N/A				
				N/A				
				N/A		, , , , , , , , , , , , , , , , , , , ,		
	B. Comments:		á					
10	LIAC CONADANIVEVO		NOICAL BOCTO					
19.	INSPECTION OR WIT				LIMITS SINCE THE LAST	NA 🛛 Yes 🗌 No 🗌		
If yes:	A.	ITHIN LAST 12 IV	Sample		- · · · · · · · · · · · · · · · · · · ·			
11 y C 3.	Pollutant	When	Points	Y/N	olem resolved? Describe			
	·	VVIICII	7 Offics	<del></del>	Describe			
		<del> </del>		N/A				
		-		N/A				
		<b>-</b>		N/A	,			
		-		N/A				
	B. Comments:			N/A				
	o. comments.							
20.	HAVE THERE BEEN A	NY PROBLEM	DISCHARGES S	INCE LAS	T INSPECTION?	Yes□ No⊠		
If yes:	A. Upsets?		ses of pretrea			LES NO		
•	Spills?		ischarges?		Other?			
	B. Explain any ma	_	. 5					
	•		<u>-</u>					
					,			

21.			T PROCESS TANKS, OK STORAGI ITARY SEWERS OR STORM DRAI		S, OR STOR	ED WASTES, OR S	TORED	Yes	∐ No⊠
If yes:		What needs to be done?	ITART SEWERS OR STURIVI DRAI	IN2.					
·									
If no:	В.	,,							
		The lab solvents are kept	in the appropriate lab cabinets						
22.			RING INSPECTION, ARE THERE A	NY ARE	AS WHERE	COMPANY ACTIV	ITIES	Yes	□No⊠
		EAR TO IMPAIR STORMWA	TER RUNOFF?						
If yes:	Α.	Describe: What needs to be done?	***************************************						
			scharges" brochure given to co	mnanv	?			Vac	⊠ No□
			ere are any problem areas)		•			, 163	
23. If yes:	DOES A.	COMPANY HAVE ANY <u>WRITT</u> Title (actual title, NC	<u>EN</u> SLUG DISCHARGE CONTROL (IN	CLUDES	SPILLS) PLAI	NS [40CFR403.8(f)			⊠ No□
ii yes.	۸.	1. SPCCP	71 SPCCF /		and the second s	200320 200 00000 00000 0000 0000 00000 00000 0000	Last Up	THE RESERVE OF THE PARTY OF THE	
	Ì	2.					11/1/3/	·	7
	В.		completeness, especially regard	ling bat	ch discharg	es/slugs and Q.1	9/20/21?	Yes	⊠ No□
	, C.	(must be done)	isting Diana? (If	0		•			
	D.		isting Plans? ( <u>If yes, write comp</u> her in addition to those listed ir			currently are no	written		□ No⊠ □ No⊠
		control plans)? (If yes, wri			, or it there	currently are no	Wilce	163	
	Ε.	Explain why/why not for 0	or D: <u>The current plan mee</u>	t their	facility cont	ainment issues.			
24.	DOES	S CONADANIV HAVE ANIV NAA	INTENANCE SHOP PARTS WASH	ICDCO		•		I	
If yes:		Parts washer solvent name		IEKS!		•		Yes	_ No⊠
•		Priority pollutants (or "noi							
	C.								
		(These solvents are not include	ded in database's priority pollutant	s list, no	or monitored	for unless condition	ns show po	otential d	ischarges)
25.	ARE A	ANY ORGANICS OR SOLVEN	ITS USED (OTHER THAN IN PART	rs was	HERS)?			Yes	⊠ No□
If yes:	A.	Solvent name/		413/	433/469			Priority	
	A 1 = i=	components	Used for?	Proce		How disposed	W	Polluta	District Control of the Control of t
		phols, Xylene (distilled reused)	lab reagents	Yes_	No⊠	evaporates or hauled offsite	its	Yes	No⊠
	Phe		sanitation agent-trace	Yes	No⊠	evaporates		Yes⊠	No
			amounts applied with a	-				, 55 2	
	Tolu	iene	shop towel	<del> </del>	7 K7			ļ.,	
	1010	lette	lab reagent	Yes	] No⊠ ] No	hauled offsite		Yes⊠	
		· · · · · · · · · · · · · · · · · · ·		Yes	No			Yes Yes	No No
				Yes	No.		<del></del>		No
26	0.050								
26.			3/469-REGULATORY "SOLVENT processes, whether or not solve			LAN"?		Yes	☐ No⊠
f yes:		Is it part of a Spill/Slug Con		iits use	eu)		Yesl [*]	ιПэΓ	]] No[
	В.	If no to A, date of last upda	ate for SMP:				, , , ,		יייייייייייייייייייייייייייייייייייייי
			Slug Plan or SMP in the files?		٦.				□ No□
			433/469 solvents? (or verify "ne pany and require submittal and)					Yes	□ No□
		, the comp	, and regulie subinitial and/	or upu	ute)				
27.	ARE E	MERGENCY NOTIFICATION	PROCEDURES POSTED THAT IN	IÇLUDE	MSD CONT	ACTS?		Yes	⊠ No□
	A.	Was company provided no locate them?	tification cards & told to post w	/here e	mergency r	esponse personn	el can	Yes	No∏
			erates process wastewater or s	tores d	nemicals of	concern)			
		,		,	Territoris Of	Concern			

28.	IS COMPANY REQUIRED TO SELF-MONITOR ANY OF THEIR DISCHARGES?	Yes⊠ No□
If yes:	A. Is requirement contained in permit or other document.	
	B. If other document, date & description:	
	C. How frequently is sampling required? <u>quarterly</u>	
	D. How frequently are reports required? <u>quarterly</u>	•
	E. Have reports been on-time, complete & signed by proper person?	Yes⊠ No□
	F. If no, explain:	TESM NOL
	1. If no, explain.	
29.	DOES COMPANY SELF-MONITOR ITS WASTEWATER DISCHARGE?	V
		Yes⊠ No□
If yes:	A. Does sample collection time period match co's production shifts?	Yes⊠ No□
	B. Are representative grab/comp samples collected?	Yes⊠ No□
Ç	C. Are EPA-approved 40 CFR 136 wastewater test methods used?	Yes⊠ No□
	D. Does company measure pH and/or temperature itself?	Yes∐ No⊠
	If yes: E. Have the company show equipment and procedure (meters, calibration stds, etc.).	
	Is measurement performed properly?	Yes No
	F. If no to A,B,C, or E,	
	explain needed changes:	
30.	DOES COMPANY CONTINUOUSLY MONITOR AT SAMPLE POINT AND	Yes□ No⊠
	KEEP A PERMANENT RECORD FOR: pH, TEMP, LEL?	, c3[_] , 10[Z]
If yes:	A. At which SPs?	
., , cs.	B. Does company submit quarterly summaries?	Vac Na N
	C. If no, explain:	Yes No
	C. 11 110, explain.	
31.	DOES MSD SPLIT SAMPLES WITH THE COMPANY?	🗀 🖂
		Yes  No⊠
If yes:	A. Is company having the samples analyzed	Yes No
	B. How does company insure proper preservation, holding times & analytical methods?	
	C. Has company submitted requite of all calibrations and a submitted to the last to 2	. — . —
	C. Has company submitted results of all split sample analyses since the last insp?	Yes No
	D. Have results been submitted within 28 days of the collection's calendar quarter?	Yes´No
	E. If no to C, or D, explain:	
	F. Does company still want to split samples?	Yes No
	G. Comments:	
32.	IS COMPANY REQUIRED TO REGULARLY SUBMIT ANY REPORTS OTHER THAN SELF-MONITORING REPORTS?	Yes⊠ No□
If yes:	A. Is requirement contained in permit $oxtimes$ or other document $oxtimes$ .	
	B. If other document, date & description:	
	C. What is required to be reported? Radioactive diascharge report	
	D. How frequently are reports required? quarterly	
	E. Have reports been on-time, complete & signed by proper person?	Voc Na C
	F. If no, explain:	Yes⊠ No□
	The first contain.	
33.	IS COMPANY LINDER ANY ENVIRONMENTAL ENCORCEMENT ORDERS OF REQUIREMENTS TO SURVEY	🗀 🖂
JJ.	IS COMPANY UNDER <u>ANY</u> ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS TO SUBMIT COMPLIANCE SCHEDULE REPORTS?	Yes□ No⊠
lf voc		
If yes:	A. Type and date:	/
	B. Have the reports & actions been on-time & complete?	Yes No
	C. If no, explain:	
7.4	ASY COMMINARY IS COMMINARY IN C	
34.	ASK COMPANY: IS COMPANY IN COMPLIANCE W/APPLICABLE NESHAP REGULATIONS FOR WW DISCHARGES?	Yes⊠ No□
	[To see if 40CFR63 applies to MSD plant, per §§63.1580(b) & 63.1582(a). Some MDNR-issued Title V air permits for	
If no:	specific processes allow <u>pre-approved</u> WW discharge. City/County-issued air permits are <u>not</u> NESHAP permits.]	
If no:	A. Describe:	
	B. Was MDNR Air Pollution Control informed? (must be done)	Yes No
		,

35.	DOES COMPANY RETAIN ALL WASTEWATER RECORDS FOR AT LEAST 5 YEARS?						
If no:	A. How long does company retain records?						
	B. Was company told to retain for at least 5 years, per ordinanc	e?	Yes No				
C.	C. Where are they kept? All MSd related records are kept in contact office.						
	•						
36.	IS COMPANY CLASSIFIED AS A SIGNIFICANT INDUSTRIAL USER (SIU)	)?	Yes⊠ No□				
If yes:	A. Check & explain applicable criteria:						
,	Process subject to categorical stds under 40 CFR 403.6. Which cat. stds?						
	Process discharge => 25,000 GPD	Total process volume: <u>69,148 gpd</u> <u>Hospital, Lab and kitchen waste</u> )	(process from				
	Process discharge => 5% of TP ADW hydraulic capacity	TP ADW hydraulic capacity: Perce	ent:				
	Process discharge => 5% of TP ADW organic capacity	Which organic pollutant?					
		TP ADW organic capacity: Percent	ity: Percent:				
	Reasonable potential for adverse effect on operations	Why?					
	Reasonable potential for violating PT std or req't	Which ones & why?	·				
	B. Does company own its bldg (is it listed as the owner in E-CIS)	?	Yes⊠ No□				
	If no: C. What is Bldg owner name (use DBA if avail.)?		•				
	(check E-CIS CAPS Customer Info)						
	D: What is Bldg owner mailing address?						
	(check E-CIS CAPS Customer Info)						
			() K3				
37.	DO MSD CLASSIFICATIONS NEED TO BE REVISED?		Yes□ No⊠				
If yes:	A. Indicate correct classifications:						
	SIU Non-Significant CIU CIU	Surcharge Non-Toxic Process W					
	Toxics-Bearing Waste No Process Discharge Multi-User Special Hand						
	B. Explain changes:						
38.	IS COMPANY CLASSIFIED AS "Multi-User"?		v [] v [2]				
If yes:		2502	Yes No∑ Yes No				
ii yes.		A. Is company's discharge segregated from other tenants' discharge?					
	<ul><li>B. If no to A, does the company own the bldg/receive the MSD bills?</li><li>C. If yes to B, was company informed it is responsible for total discharge, or else must provide</li></ul>						
	segregated sample points?	total discharge, or else must provide	V				
	D. If no to B, are any Process/P&E Wash-type wastes discharged	2	Yes No				
	E. If yes to D, are the wastes completely innocuous?	r	Yes No				
	(And explain why/why not:)		Yes No				
	F. If yes to D, and no to E, company must accept responsibility o	r provide cogregated CD					
	Acceptance letter date: Or write company with require	mont					
	G. If no to D or yes to E, are limits "alert only" on PIMS?	ement [_]	V				
	H. Comments:		Yes No				
39.	IS COMPANY CLASSIFIED AS "Special Handling/Billing"?						
JJ.	IS COMPANY CLASSIFIED AS "Special Handling/Billing"?		Yes No N				
If yes:	IS COMPANY CLASSIFIED AS "Special Handling/Billing"?  A. Why?		Yes∏ No⊠				
	A. Why?		Yes□ No⊠ Yes□ No□				

	SP #	001	Fed.Re	g.	Components:	Hospital waste, NCCW-Autoclaves, Cooling tower blowdown, Boiler blowdown, Kitchen Waste, Lab Waste, Regeneration/Reject Water, Sanitary, Storm water	No			
	SP#	002	Fed.Re	S.	Components:	Hospital Waste, Lab waste, Cooling tower blowdown, Sanitary, Storm water	No			
	SP#		Fed.Re	3.	Components:		N/A			
	SP#		Fed.Re	g.	Components:		N/A			
	SP#		Fed.Reg	3.	Components:		N/A			
41. If yes:	ARE ANY SAMPLE POINTS TRAPPED VENTS?  A. List SPs:  B. Was co. informed that T-vents are preferred, and told why?  Yes No									
42. If yes:	ARE DISCHARGES AT ANY SPS SMALL/IRREGULAR ENOUGH TO ALLOW GRAB SAMPLES?  A. List SPs and reasons:  ———									
43.	A CONTRACTOR OF THE PARTY OF TH	ORDERANDO NO PERSONAL PROPERTY OF THE PERSONAL	JNSAMPL		list each lateral separ	ately) Yes	No 🗵			
Ì		my SP #		Components:						
lf yes:		my SP #	ny inform	Components:	required in the futu	re if the discharges change? Yes	No			
11 403.	<ul><li>A. Was company informed that SPs may be required in the future if the discharges change?</li><li>B. Are all unsampled discharges very low flow and/or innocuous?</li></ul>						No O			
C. If No to B, explain:										
	(Must also write company and require installation of SP)									
44. If yes:		DO ANY SAMPLE POINTS (including Unsampled/Dummy SPs) RECEIVE STORMWATER?  A. List Sample Points: SP001 and SP002								
45.	WERE <u>ALL</u> SAMPLE POINTS (except Dummy SPs) OPENED & INSPECTED?  No SPs☐ Yes☒ No☐									
	A. If any SPs cannot be located or opened, explain:									
	<ul> <li>B. If any SP descript's need to be changed, explain:</li> <li>C. Was ANY grease or other problem/debris observed in any SP?</li> <li>Yes No</li> </ul>									
	<ul><li>C. Was ANY grease or other problem/debris observed in any SP?</li><li>D. If yes to C, list SPs &amp; describe:</li></ul>									
	E. If yes to C, was company directed to take corrective actions?						No 🗌			
46.	REVIEW THE SAMPLE POINT MAP! Last map revision date: 7/11/12									
	A. Is the map correct and accurate in <u>all</u> its details?				details?		No 🗌			
	B If no, what changes are needed:									
47. If yes:		DO INSTRUCTIONS FOR "Contact Prior to Sampling" or FIELD VISIT "Special Instructions" NEED REVISION?  Yes No A. List needed changes:								
USE TH	IS SPAC	E FOR ANY C	THER CO	MMENTS/OBSERVA	TIONS PERTINENT TO Y	OUR INSPECTION OF THIS SITE.				
***************************************										

40.

SAMPLE POINTS

DJ(y/n)

### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME

VA MEDICAL CENTER

1008545900 PRIMARY MSD ACCOUNT NO.

**Premise Address** 

915 N. Grand Boulevard St. Louis MO. 63106

WUNNENBERG INFO. INDUSTRIAL USER CLASSIFICATIONS SIU CRITERIA 03/06/1997 siu Base Map 19F2 PR25 Process Disch => 25,000 GPD 03/06/1997 TOX Wun:St. Louis City & Co. Grid: G 19 Page 27 GENERAL INFORMATION INSPECTION INFORMATION PERMIT INFORMATION IUQ INFORMATION - ... Office Mailing Address Next Due Issue Date: 02/01/2012 IUQ Recvd Date: 08/14/2001 915 N. Grand Boulevard Expire Date: 01/31/2017 Insp Rslt Reviewer: Fabian Grabski St. Louis, MO. 63106 **Extended Date:** IUO Recvd Date: 09/19/2006 02/12/2015 RIN David Kupke **Billing Address** Writer Scott Rehmer Reviewer: Fabian Grabski 915 N. Grand Blvd IUQ Recvd Date: 09/07/2011 St. Louis, MO. 63106 Reviewer: David Kupke CONTACTS BILL Keith Repko Service Chief/Engineering **OFF** (314) 289-6438 Ext. FLDI Mike Stogsdill Pipe Shop Supervisor CELL (314) 372-6973 Ext. Mike Stogsdill Pipe Shop Supervisor OFF (314) 289-6450 Ext. Mike Stogsdill Pipe Shop Supervisor (314) 289-6589 Ext. FAX FLD2 Roger Todd General Foreman OFF (314) 289-6331 Ext. FLD3 Fabian Grabski SWR Acting Associate Director (314) 845-5032 Ext. Fabian Grabski Acting Associate Director CELL (314) 265-4780 Ext. Fabian Grabski Acting Associate Director OFF (314) 289-6423 Ext. Fabian Grabski Acting Associate Director FAX (314) 289-7045 Ext. OFFI Mike Stogsdill Pipe Shop Superviosr OFF (314) 289-6450 Ext. OFF2 Roger Todd General Foreman OFF (314) 289-6331 Ext. OFF3 Fabian Grabski Acting Associate Director FAX (314) 289-7045 Ext. Fabian Grabski OFF Acting Associate Director (314) 289-6423 Ext. Fahian Grahski CELL Acting Associate Director (314) 265-4780 Ext. Fabian Grabski Acting Associate Director SWR (314) 845-5032 Ext. OPERATIONAL INFORMATION: OTHER AGENCIES INFORMATION 12/02/1996 EPA - Hazardous Waste Program MOD93060090030 Work Days: 7 S T W M T F S 01/29/1997 **Nuclear Regulatory Commission** 24-00144-05 12:00AM 1 150 8.0 Υ Υ Υ Υ Y Y 01/17/1999 MDNR - Hazardous Waste Program 004272 2 750 08:00AM 8.0 Y Y Υ Y Y Y 06/21/2006 MSD - Billing Account Number 00086730 04:00PM 300 3 8.0 Y Υ Total Emp: 1,200 Hrs: 24 0 NON-SEWERED WASTE On-Site Disposal N Off-Site Disposal On-Site Storage 09/07/2011 Organic Compounds 15 **GPY** 09/07/2011 Solvents/Thinners 50 **GPY** 09/07/2011 Radioactive Waste <10 **GPY** 09/07/2011 Kitchen/Food Service Grease 100 **GPY** 09/07/2011 Equipment Oils and/or Grease 50 **GPY** 09/07/2011 Acids and/or Alkalies 10 **GPY** 09/07/2011 Infectious Waste 120000 LB/YR <u>C</u> <u>O</u> <u>M</u> M E N T

SIC INFORMATION

DESCRIPTION

General Medical & Surgical Hospitals

SIC

8062

Report No. PIMS012A

RAW MATERIALS

03/30/2015

EFF DATE . MATERIAL_DESCRIPTION

1:19:36 pm

QUANTITY

Data Date & Time:

03/30/2015

1:19:36 pm

### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900 Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

PRODUCTS

EFF DATE DESCRIPTION 05/07/2004 General hospital services UNIT

AVG_PROD MAX_PROD

SEWER ACCOUNTS
Sewer Accounts
1008545900

Start Date	= 01/01/20	14 12E00JODAAM	12/31/	2015 12:59:	59P <b>W</b>	days	Cdays			
Acct. No.			Cor	nsumption					Disc	harge
1008545900			CCF's	Gallons					Gal/ Wday	Gal/ Cday
1008545900	11/26/2013	02/26/2014	8,958	8,958	Α	93	93		93	
1008545900	02/27/2014	05/29/2014	9,142	18,100		92	- 92		185	
1008545900	05/30/2014	08/25/2014	11,983	30,083		88	88	:	273	
1008545900	08/26/2014	12/16/2014	11,000	41,083		113	113 -		386	
RF (	0.66 Acct. Facility	Total	41,083 41,083	30,732,220		3	386	386	52,547	52,547

CONNECTION and SAMPLE POINT INFORMATION	H-Pilonanananananananananananananananananana	30000000000000000000000000000000000000	000000000000000000000000000000000000000	30000000000000000000000000000000000000	666656000000000 <u>000000</u>	DOCCOS NAME AND ADDRESS OF THE PROPERTY OF THE
LATERAL NO. Lateral Type	DSMH T	reatment A	rea Bissell	Point		
01 Sanitary Or Combined	19F2 345C	Trunk Se	wer 37 - W	estern Mill C	reek	
<b>Description</b> Multiple lines exiting buildings on N side of c	campus into 12" main	in Bell				
Sewer Route W on Bell, S on Vandeventer, E through RR y	yard, E on Chouteau,	E on Rutger	to River, N to S	STP		
SAMPLE POINT NO. 001 Ordinance	NPD	ES Outfall !	No.			
<b>Description</b> MH S of Bell curb 80' E of Spring (Total F	Flow)					TO COLUMN
Discharge Components Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Storm Water	0	GPD		GPD	D	4/16/08
Regeneration/Reject Water	2,787	GPD		GPD	D	9/7/11
Boiler Blowdown	3,025	GPD		GPD	D	9/7/11
Sanitary	18,000			GPD	D	9/7/11
Hospital Waste	36,303			GPD	D	9/7/11
Laboratory Waste Animal, Research, + Diagnostic Labs	,	GPD		GPD	D	9/7/11
Kitchen Waste	10,372			GPD	D	9/7/11
Non Contact Cooling Watertoclaves		GPD		GPD	D	2/18/14
Cooling Tower Blowdown		GPD		GPD	D	2/18/14
Total Flow Avg =	84,773	Ma	ax =			2, 10, 1,
CONNECTION and SAMPLE POINT INFORMATION	20000000000000000000000000000000000000	0000000000000000000 <u>000000000</u>	***************************************	000000000000deoogoqqqqqq	99994	Wassassassassassassassassassassassassass
LATERAL NO. Lateral Type	DSMH Tr	eatment Ar	ea Bissell	Point		
02 Sanitary Or Combined	19F2 352C	Trunk Sev	wer 37 - We	stern Mill Cı	eek	
Description Multiple lines exiting buildings on S side of ca	ampus into 12' main i	n Enright				
Sewer Route W on Enrightl, S on Vandeventer, E through R	RR yard, E on Choute	au, E on Rut	tger to River, N	to STP		
SAMPLE POINT NO. 002 Ordinance	NPDE	S Outfall N	۱o.			
Description Offset MH @ Spring & Enright 75' SW of b	ouilding #5 (Total Flo	w)				
Discharge Components Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Storm Water	0	GPD		GPD	D	4/16/08
Sanitary	6,000	GPD		GPD	D	9/7/11
lospital Waste	12,101			GPD	D	9/7/11
aboratory Waste Diagnostic + Research Labs	4,336			GPD	D	9/7/11
	2,750					
Cooling Tower Blowdown	2,730	GPD		GPD	D	2/18/14

Report No. PIMS012A
Data Date & Time:

03/30/2015

03/30/2015

1:19:36 pm 1:19:36 pm

### METROPOLITAN ST. LOUIS SEWER DISTRICT **INDUSTRIAL DATA SHEET - FACILITY INFORMATION**

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

PRETREATMENT TYPES

SP EFF DATE TYPE DESCRIPTION

001 02/02/2004 DC37 pH Adjustment/Neutralization

001 03/16/1998 DC28 Grease Trap

002 01/16/2003 DC37 pH Adjustment/Neutralization

PRIORITY POLLUTANTS

Pollutant Description	<u>Status</u>	Pollutant Description	<u>Status</u>	Pollutant Description	Status
Asbestos (Fibrous)	SP	Cadmium (Total)	SP	Mercury (Total)	SP
Lead (Total)	SP	Phenol	KP	Toluene	KP
Chloroform	SP				

EXTRA STRENGTH SURCHARGE INFORMATION

Report No. PIMS012A

03/30/2015 Data Date & Time:

03/30/2015

1:19:36 pm 1:19:36 pm

# For Account Number Selected 1008545900 VA MEDICAL CENTER Located at 915 N. Grand Boulevard St. Louis MO 62104

7	3	
2	2	
2110	2	

Address Type						
Contact Type	Contact Name	Contact Title	Email	Signato	Signatory Phone Type Number	e Number Ext
Billing Address				800000000000000000000000000000000000000		
Billing Contact	Keith Repko	Service Chief/Engineering		>	OFF	(31/1/280_6/138
Office Mailing Address		0		-	5	05+0-607(+16)
Office Contact - Primary	Mike Stogsdill	Pipe Shop Superviosr	michael.stogsdill1@va gov	>	OFF	(31/1)280_6/150
Office Contact 1st Alt	Roger Todd	General Foreman	roper todd@va oov	- >	OFF THE	(214)203-0420
Office Contact 2nd Alt	Fabian Grabski	Acting Associate Director	Fahian oraheki@ya goy	- Z	CELI	(314)269-6331
Office Contact 2nd Alt	Fahian Grahski	Acting Associate Director	Tobion anabolicano	2 2	CELL	(314)203-4/60
Office Cauton A 14	Foliam Careen	Acting Associate Director	I aulaii. gi auski (WVa. guv	Z	FAX	(314)289-7045
Office Confact 2nd Alt	Fabian Grabski	Acting Associate Director	Fabian.grabski@va.gov	Z	OFF	(314)289-6423
Office Contact 2nd Alt	Fabian Grabski	Acting Associate Director	Fabian.grabski@va.gov	z	SWR	(314)845-5032
Premise Address	,	•	)		:	7500 010(110)
Field Contact - Primary	Mike Stogsdill	Pipe Shop Supervisor	michael.stogsdill1@va.gov	Z	CELI	(314)377-6073
Field Contact - Primary	Mike Stogsdill		michael.stogsdill1@va.gov	z	FAX	(314)280-6580
Field Contact - Primary	Mike Stogsdill		michael stoosdill! @va gov	: z	OFF	(314)202-(316)
Field Contact 1st Alt	Roger Todd		roger todd@va gov	? Z	OFF	(314)209-0430
Field Contact 2nd Alt	Fabian Grabski	Acting Associate Director	Dobion amphalifour con	2 2		(314)269-0331
Field Contoct Ond A 14	Fabitan Control	Acting Associate Director	rabiali, gradski (dva. gov	Z	CELL	(314)265-4780
Field Comact 2nd Alt	Fabian Grabski	Acting Associate Director	Fabian.grabski@va.gov	z	FAX	(314)289-7045
Field Contact 2nd Alt	Fabian Grabski	Acting Associate Director	Fabian.grabski@va.gov	Z	OFF	(314)289-6423
Field Contact 2nd Alt	Fabian Grabski	Acting Associate Director	Fabian.grabski@va.gov	z	SWR	(314)845-5032
					,	

ot

1:20:22PM 1:20:22PM

3/30/2015 3/30/2015

### PIMS REPORT OF FIELD SAMPLING REQUIREMENTS VA MEDICAL CENTER

### Account No Entered 1008545900

SPN	PRE	MISE ADDRESS	CITY	ST	ZIP
	915	N. Grand Boulevard	St. Lo	uis MO	63106
001 Project Code Pollutant Group	: IM = I Poll Code	PD - Company - MSD Pollutant Description	Frequency	Sample Type	End Date
	1208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2015
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2015
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2015
	T237000	рН	Once/year	Grab	06/30/2015
	T247000	Temperature	Once/year	Grab	06/30/2015
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2015
•	T257000	Total Phenols	Once/year	Grab	06/30/2015
	T393000	Silver (Total)	Once/year	Comp-Time 04 Hrs	06/30/2015
henolic Organics - Acids	T991000	Phenolic Organics - Acids	Once/year	Grab	06/30/2015
Volatile Organics	Т996000	Volatile Orgs-not incl Acro/Acryl & 2-	chQuoethyar	Grab	06/30/2015
,		Volatile Orgs-not incl Acro/Acryl & 2- PD - Company - MSD Pollutant Description	ch <b>Qu</b> oe <i>thga</i> r Frequency	Grab Sample Type	06/30/2015 End Date
002 Project Code	: IM= I	PD - Company - MSD	,,,		
02 Project Code	: IM = I Poll Code	PD - Company - MSD Pollutant Description	Frequency	Sample Type	End Date
02 Project Code	: IM = I Poll Code 1208000	PD - Company - MSD Pollutant Description Biochemical Oxygen Demand (5 Day)	Frequency Once/year	Sample Type Comp-Time 04 Hrs	End Date - 06/30/2015
002 Project Code	: IM = I Poll Code 1208000 T213000	PD - Company - MSD Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand	Frequency Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs	End Date 06/30/2015 06/30/2015
002 Project Code	IM = I Poll Code T208000 T213000 T234000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total)	Frequency Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs  Grab	End Date 06/30/2015 06/30/2015 06/30/2015
02 Project Code	IM = I Poll Code T208000 T213000 T234000 T237000	PD - Company - MSD Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH	Frequency Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs  Grab  Grab	End Date  - 06/30/2015 - 06/30/2015 - 06/30/2015 - 06/30/2015
002 Project Code	IM = I Poll Code T208000 T213000 T234000 T237000 T247000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature	Frequency Once/year Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs  Grab  Grab  Grab	End Date  06/30/2015  06/30/2015  06/30/2015  06/30/2015  06/30/2015
002 Project Code	IM = I Poll Code 1208000 T213000 T234000 T237000 T247000 T256000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids	Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Grab Comp-Time 04 Hrs	End Date  06/30/2015 06/30/2015 06/30/2015 06/30/2015 06/30/2015 06/30/2015
002 Project Code	IM = I Poll Code 1208000 T213000 T234000 T237000 T247000 T256000 T257000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols	Frequency Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Comp-Time 04 Hrs Grab	End Date  06/30/2015 06/30/2015 06/30/2015 06/30/2015 06/30/2015 06/30/2015 06/30/2015

1 of 1

sk 1/12

### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I:	IDENTIFYING INFORMATION	1	200	7 -	54	<9	-11	0
Company Nar	me: VA MEDICAL CENTER	./	UU I	0	27	<i>&gt; 1</i>	- 0 0	_

Permit No: 1114046000-2 Effe

Effective Date: 02/01/2012

Expiration Date: 01/31/2017

Premise Address: 915 N. Grand Blvd, 63106

Monitoring Period: □(JAN-MAR)

□(APR-JUNE)

□(JULY-SEPT)

(OCT-DEC)

Samples Collected By: ENVIND I MENT MONITOKING and Technologies Inc

Analyses Performed By: <u>FMT</u>

PART II: ANALYTICAL RESULT	S UF SI	1		1		r==		T STREET, STRE
MSD SAMPLE POINT REFERENCE NUMBERS	⇔	LC	101	1	202		1	
DATES ON WHICH SAMPLES WERE COLLECTED		10		10	121/14			
TIMES AT WHICH SAMPLES WERE COLLECTED	⇔		4:15	10	1:35		*	
PARAMETER	LIMIT	REC	CORD SAMPLE T ( G=grab, C=con	YPES	(G, C, M OR E) At M=measured flow, E	VD RE	SULTS BELOW ated flow )	UNITS
FLOW			84,000		25,000			
BOD	,		97	49/2	31	6		
COD			22.2	mysl	152	C	,	
Oiland Greage T Total Phenols		6	12.3mgl	nglL	14.4	6-		
Total Phenols		6	0.0565	MYL	0.0202	G		
T55		_	102	PG/L	153	C.		
PH	,	G	7.30	RI	7.56	6		
Temp		6	14.3	C	13.8	6		
, ,					·			
	,							
4.								
	-		,				Name of the state	
	,						*	
	,						-1-7	
-					***************************************			
	\		The Assessment Control of the Contro				***************************************	
	***************************************	1						
								-

You must complete and sign the certification statements on the second page.

### PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

--- NONE ---

### PART IV: GENERAL CERTIFICATION STATEMENTS

DISCHARGE MONITORING REPORT CERTIFICATION
All permittees must sign and complete the information below:
I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
Print or type name of signing official: MT chae ( StogSD /71
Title: Pipe Ship Surerusor Telephone: 314-289-6450
Signature: Michael 2003/2000 Date: 8 1-5-15

### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION			
Company Name: VA- St. Louis 1/0	alk Con 1		
Permit No:	/		
Premise Address: 915 N. Grand	Blud, ST. Louis	MD 63106	
Reporting Period: ⊖(JAN-MAR)			T-DEC)
PART II: RECORD OF DISPOSAL OF RADI	OACTIVE MATERIAL	S TO THE SEWER SYSTEM	2014
RADIONUCLIDE			
ALL / ANY	ACTIVITY	ISCHARGED (millicuries)	
			-
			_
			-
			1
			-
			$\blacksquare$
TOTAL ACTIVITY			1
TOTAL ACTIVITY DISCHARGED:		Ø	
PART III: CERTIFICATION STATEMENTS			<b>≠</b> 1
Place your initials in the box under i	tem A.	,	•
and the information	under items A &	B and sign this report	:.
A. CERTIFICATION OF COMPLIANCE WITH	STATE AND FEDERA	L REGULATIONS	-
I certify that to the best of my knowled and 19 CSR Part 20-10.090 governing disp regulated by the Nuclear Regulatory Commutively, have been met for the period cov		, additigta shaydda tat matari.	.2003 al espec-
B. RADIOACTIVE MATERIALS DISCHARGE R			
I certify under penalty of Law that this docume direction or supervision in accordance with a sproperly gather and evaluate the information supersons who manage the system, or those persons the information submitted is, to the best of my I am aware that there are significant penalties possibility of fine and imprisonment for knowing Print/type name of signing official:	nt and all attachmer ystem designed to as bmitted. Based on m directly responsibl knowledge and belie for submitting fals g violations.	its were prepared under my sure that qualified personn y inquiry of the person or	
min 0-1 / /		<u> </u>	· ·
Signature: 104 Delicer	<u> </u>	hone: 3146524100 ext	<u>54</u> 832
The state of the s	Date:	January 6, 2015	- 2760



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666

800.246.0663 F 847.967.6735 www.emt.com

Client Sample Results

(Continued)

Cllent:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 001 Grab

Report Date: 10/28/2014

Collection Date: 10/21/2014 14:20

Matrix: Wastewater

Work Order:

14J0454

Lab ID: 14J0454-02

***************************************			-			
Analyses	Result	EMT Reporting Limit Qu	ral Units	Date/Time Analyzed	Batch	Analyst
On Site Analysis						
Method: SM2	550-B					
Temperature	14.3	1.00	*C	10/21/14 14:20	B4J1055	AR
Method: SM4	500-H					•
рН	7.30	0.05	pH Units	10/21/14 14:20	B4J1055	AR
Wet Chemistry			,			<u> </u>
Method: E166	4A					
Oil and Grease (HEM)	12.3	4.00	mg/L	10/23/14 07:20	B4J0916	JP1
Method: E420	.1 Rev.1978 by	Aquachem				
Phenolics, Total Recoverable	0.0565	0.0100	mg/L	10/23/14 15:21	B4J0927	JN1



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

**Client Sample Results** 

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 001 Composite

Report Date: 10/28/2014

Collection Date: 10/21/2014 14:15

Matrix: Wastewater

Work Order:

14J0454

Lab ID: 14J0454-01

Analyses	Result	EMT Reporting Limit		Units	Date/Time Analyzed	Batch	Analyst	
Wet Chemistry	".							<u> </u>
Method: HAC	H 8000					?		
Chemical Oxygen Demand (COD)	222	10.0		mg/L	10/23/14 11:15	B4J0938	LS3	
Method: SM2	540D	<del></del>	***************************************				······	
Suspended Solids (Residue, Non-filterable)	102	15.0		mg/L	10/22/14 13:35	B4J0881	TB2	,
Method: SM5	210 B						**	
Biochemical Oxygen Demand	92	15		ng/L	10/22/14 13:55	B4J0850	CS1	



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

### Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 002 Grab

Report Date: 10/28/2014

Collection Date: 10/21/2014 14:35

Matrix: Wastewater

Work Order:

14J0454

Lab ID: 14J0454-04

Analyses	Result	EMT Reporting Limit (	Qual Units		Date/Time		
			2001 UIIICS		Analyzed	Batch	Analyst
On Site Analysis		.′					
Method: SM2	550-B					•	
Temperature	13.8	1.00	•c	A.	10/21/14 14:35	B4J1055	AR
Method: SM45	500-H						
Н	7.50	0.05	pH Uni		10/21/14 14:35	B4J1055	AR
Wet Chemistry							
Method: E166	4A						
Oil and Grease (HEM)	14.4	4.00	mg/L		10/23/14 07:20	B4J0916	JP1
Method: E420	.1 Rev.1978 by	Aquachem				***************************************	
Phenolics, Total Recoverable	0.0202	0.0100	mg/L		10/23/14 15:21	B4J0927	JN1

www.emt.com



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735

Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 002 Composite

Report Date: 10/28/2014

Collection Date: 10/21/2014 14:30

Matrix: Wastewater

Lab ID: 14JQ454-03

Work Order:

14J0454

EMT Reporting Date/Time Analyses Result Limit Qual Units Analyzed Batch Analyst Wet Chemistry Method: HACH 8000 Chemical Oxygen Demand 152 10.0 mg/L B4J0938 LS3 (COD) Method: SM2540D Suspended Solids (Residue, 153 15.0 mg/L 10/22/14 13:35 B4J0881 TB2 Non-filterable) . Method: SM5210 B Biochemical Oxygen Demand 31 15 mg/L 10/22/14 13:55 B4J0850 CS1

					CHAIN	CHAIN OF CUSTODY	STODY				
	Environmental N 8100 Austin Ave	Environmental Monitoring and Technologie 8100 Austin Ave	oring and Te	schnologie	4,				Page 1 of	Н	
	Morton Grove	rove			Phone: 8	Phone: 800-246-0663	663		COC Number		
	· 1L, 60053-3203	3203			Fax: 847	Fax: 847-967-67-35	ıs	.,	Lab Work Order Number	Number	1410454
Clent Name		Project Name			27(0.76)		88409700	Requested Analyses	SF57.000000000000000000000000000000000000		1 Requested Turn Around
St. couls vA (vieutal center Client Conad		VASTŁ John Cochran	Cochran		CO BO	FO	Ph	sv			
Michael F Storedill		Project Number					enc	oc			Rush requests subject to
Address		[none]			 TS:		ols				additional charge.
915 N. Grand Ave.		Project Description	uo.	-	5	no hTelegrapa	~~~				Rush requests subject to lab
City		PO Number									approval.
St. Louis		657-C50008	~~	-				·		-orana	
State/Zip		Shipped By								·	C
63106				- CANADA				···,···,·		******	standard (pays)
(314) 372-6973 (314)	(314) 894-6557	Tracking Number									Expedited (days)
Sampler	Sampler Signature	ure				**************				When the second	Oue Date
	Mighidiprimique mineral mineral management (mineral management (mi				_				risaseepaseepä-to-sahaastinaseeta-to-sahaastinaseeta epä-ta-		10/8/2014 17:00
And the state of t	-	edici-moopuble-dopmapaging			0.000.000	San France	20000000	Preservation Code	Carried Control of the Control of th	2000 St. 10 St.	
Sample Name on Field 10 Date	e Time	Code ype	Code	Count		2 5	7	- 5			Sample
001 Composite 10/21/17		U	3	4	3	$\vdash$					Loinments
	-	ŋ	3	9	-		-	r		-	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
002 Composite (0/4/14	14:X	U	3	4	m	1					125/12/2017
002 Grab (6/21//2)	14.35	9	3	9	├	-	1	·			THE PARTY AND TH
						-					のかんなくなが
					-	-					
		•			-						
	*****		_		-						
										-	
						-					
				-						·	
Relinquished By		Received By	7			Date/Time	ne	Sample Kit Prepared By	by By		Oate/Time
	2	35		<b>.</b>		1/2/	1/2/	FOUNDS		10/12/1/4	- CCCS
Reimquisfied 8y	Date/Time :	Received By	7			Date/Time		Comments (			)
Relinquished By	Date/Time	Received By				Date/Time	00				
Coaler Numbers and Temperatures						77.75		N		·	After in constant
kangangan panganakan menganakan mengankan mengankan mengankan mengan mengan mengan mengan mengan mengan mengan MARITY COMPET:		25-2	THE PROPERTY OF THE PROPERTY O				-	PANADARA (SALAMA SALAMA SA		-	
				Ę	Fresery, Codes:		chłoric scid	(HCI) pH <2, Store	at 4 C,9= No Preservative, S	tore at 4 C,2≍	S=Hydrochitaric soid (HCl) pH <2, Store at 4 C.9-No Preservative, Store at 4 C.2-Sulfuric acid (H2SO4) pH <2, St

Technician



## ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

John Couhen Outfall I.D. OD 1 3' Clar Wind 5 (10) Siz Arrival Time 1 4 10 Departure Time 14/33 Sampler Type / Sec Meter I.D. Sampler I.D. Meter Type ___ Battery I.D. M _____ Battery I.D. __ 30mi-Sampling Interval___ Reading Level Actual Level _ Multiplex____ _____ Total Flow _____ Number of Samples. Sample Collected At Primary Device____ /fime/Flow/Storm ICE/Ref. Maximum Head Height __ (Install) Service Pull Sample Initiation _____ Sampler Start Time _/ 1/1.23 Bottle # Volume **Description / Comments** Sanitary SS Cloudy Clear Milky Oil Film Foamy Flook Sediment. Color Other pH Meter Calibration 7.0 = _____ 14. 16. 17. Grab Time Grab pH_ Grab Temp_ 20. 22. Incoming Meters -Client Meter Flow _____ Date <u>/c/?</u> > Signature_/ Technician.



### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Client VASTL John Cock	Outfall I.D. OD	Date <u>/ p////</u>
Ambient Weather 69°C/w Wind wow		Departure Time 1413
Sampler I.D. Sampler Type 15~	•	
Battery I.D.	Rattery I D	
Sampling Interval 30m2	Reading Level	Actual Level
Multiplex On	Total Flow	
Number of Samples Sample Collected At 11,10		
Time/Flow/Storm ICE/Ref:	Maximum Head Height	•
Install Service (Pull)	Sample Initiation	
		- Complete Cities -
Bottle # Volume Description / Comm	nents	Sanitary
1.		SS
2 3 5 5 1 3	1////	Cloudy
3. 5/1/3	/21:11	Clear
4,		Milky
5.		Oil Film
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	<u></u>	Foamy
,		Flock
8		Sediment
9	1 1	Color IA
10. / Din py	V8 via	Other
12	111000000	
13.		pH Meter Calibration
14.		$7.0 = \frac{17.99}{1}$
15.		4.0 = 4 <i>/</i> /
16		10.0 = <u>/ ¥ ¥ j</u>
17		Grab Time /9/2)
18		Grab pH 7.3
19		
20	***************************************	Grab Temp <u>₹₩-</u>
21		
22.	•	Incoming Meters
23		
24		
Client Meter Flow Sa RDL	A CT	
Fechnician Signature Signature	ر/ اد/ني/ Date	7



### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Client //	5/6 John Coda	Outfall I.D. DD	Date _/5/3/10
Ambient Weathe	or 73 Clora Wind (0-)		Departure Time
		15:0 Meter I.D.	Meter Type
Battery I.D.	. N.F	Battery I D	
Sampling Interva	al_30MI~	Reading Level	Actual Level
Multiplex		Total Flow	
Number of Samp	ples Sample Collecte		
(Ťime/Flow/Storm		Maximum Head Height	
- Instally	Service Pull		Sampler Start Time 14138
1	Desc	Maription / Comments  Marva   Samuel	Sanitary SS Cloudy Lear Milky Oil Film Foamy Flock Sediment Color Other
13 14			pH Meter Calibration 7.0 =
	*		
			•
18			Oldo IIII o
19.			
20			Grab Temp
			Incoming Meters
,			• ·
Client Meter Flow	SnSignature	RDL ACTL Date / U/2 d/	7



### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053

fax 847-967-6735

Client	1/13576	John Cooker	Outfall I.D. 60	- 10/5/
	Veather 19°CI	( Wind ( 0-) V		Date
Sampler I	.D. ~	Sampler Type(C)		Departure Time / 4/45
Battery I.C	). M	- Oumpier Type		Meter Type
-	•	2	, , , , , , , , , , , , , , , , , , , ,	
Multiplex_	<b>^</b>		3	
* .	•	Sample Collected At	,000,1,1000	
Time/Flow		ICE/Ref:		_
Install	Service	Pull	Maximum Head Height _	
motan	DETVICE	(Full	Sample Initiation	Sampler Start Time 14!3>
Bottle #	Volume	Description / Cor	mments	Sanitary
1				
3		)		APPL 3
4,	<i>1</i>	= )	1/2 L/	Milky
			7 . 7 - 11	Oil Film
				Foamy
		$\overline{}$		
9	***************************************	100p +.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Color
13			1	pH Meter Calibration
	12.0	7		1 23
15	100	1) Dre Willer	typins	$4.0 = \frac{1}{1001}$
				$10.0 = \frac{10.0}{10.0}$
				/
				Grab Time 14/37
		1		Grab pH
20				Grab Temp 13.8
21,				
				Incoming Meters
24				
Client Mete	er Flow /	Sn. pr	)	
Technician	11111	Signature RE	AUIL	/.
Technician	1-1-1-1-1-1	Signature / J	Date CY2/	1/7



# Metropolitan Saint Louis Sewer District 2350 Market Street Saint Louis, Missouri 63103-2555

VA MEDICAL CENTER 915 N. Grand Blvd. St. Louis, MO 63106

Attn: Mike Stogsdill

Pipe Shop Superviosr

### INDUSTRIAL WASTEWATER DISCHARGE PERMIT NUMBER 1008545900.

### **ANNUAL PERMIT FEE NOTICE**

For permits in effect as of 10/01/2014.

Fee will be included in a separate bill from the Metropolitan St. Louis Sewer District.

### **Explanation of Charges**

Fee for Pretreatment Program Discharge Permit covering the period October 1, 2014 through September 30, 2015, issued in accordance with the Metropolitan St. Louis District Ordinance #12413 for the location at **915 N. Grand Boulevard**.

Base charge @ \$150.00 per permit Volume charge @\$0.72 per average daily Ccf Sample Point Charge @\$100.00 per sample point

80.64 Ccf(s)

\$150.00 \$58.06 \$200.00

**Total Fee Due:** 

408.06

For inquiries about the Annual Permit Fee, please call 314-436-8756. For inquiries about payment of the fee, which will appear on your upcoming monthly bill, please call 1-866-281-5737.

# THIS IS NOT A BILL DO NOT PAY NOW

FEE WILL BE INCLUDED IN A SEPARATE BILL

### **Doug Mendoza**

VA - Drand Blud.

From:

Doug Mendoza

Sent:

Tuesday, November 25, 2014 9:28 AM

To:

Doug Mendoza

Subject:

Clarification for MSD Ebola virus disinfection requirements letter, and policy re. CDC's

interim guidance for untreated sewage

On November 20, the Metropolitan St. Louis Sewer District issued a letter to the hospitals in its service area that included requirements for treatment of wastewater generated and discharged to the sewer system from facilities that are treating or caring for patients infected with the Ebola virus. We understand that there has been some confusion over a portion of item three in the requirements. Therefore, MSD is providing the following clarification through rewording of the item:

3. For any wastes such as feces, urine and vomit, and liquid waste from washing that are produced by the Ebola-infected patient, and for liquid waste by those in direct contact with the patient that is produced immediately afterward from washing: all such wastes must be placed into a toilet or other vessel to hold the wastes, and then disinfected using disinfectants known to meet CDC's criteria for use against the Ebola virus, with a contact time of at least 2.5 times the prescribed contact time for the particular disinfectant.

MSD recognizes that those in direct contact, but not infected, will not be contagious for the Ebola virus. However, as a cautionary measure, they still must disinfect liquid wastes from washing after having had direct contact with an Ebola-infected patient.

This past Friday, November 21, 2014, the Centers for Disease Control and Prevention also issued Interim Guidance for Managers and Workers Handling Untreated Sewage from Individuals with Ebola in the United States. Please understand that this is only interim guidance. MSD has determined that its requirements, contained in the November 20, 2014 letter and clarified above, will remain in effect in addition to the CDC's interim procedures. Once a final guidance has been released by the CDC, then MSD will revisit the issue.

Sincerely, METROPOLITAN ST. LOUIS SEWER DISTRICT Douglas M. Mendoza, P.E. Industrial Pretreatment Manager

### Re: MSD Ebola virus disinfection requirements letter

As you are likely aware, concerns over public health and exposure to the Ebola virus have recently become an issue in the United States. One of these concerns involves the Ebola virus in wastewater and its impact on workers in the sewers, workers at wastewater treatment plants, personnel working on plumbing systems in buildings, and the public that may come into contact with wastewater from sewer blockages or other overflows.

While the Centers for Disease Control and Prevention (CDC) has stated that sewage handling processes in the United States are designed to inactivate infectious agents, these processes do not occur until after potential exposure to all the above-listed parties. Therefore, MSD has developed requirements for treatment of wastewater generated and discharged to the sewer system from facilities that are treating or caring for patients infected with the Ebola virus. Such facilities must treat their wastewater prior to discharge to the sewer system. These requirements have been developed based on Water Environment Federation (WEF) meetings and consultations, and discussions with other sewage agencies located in cities that have treated patients infected with the Ebola virus. WEF is a not-for-profit technical and educational organization of 36,000 individual members and 75 affiliated Member Associations representing water quality professionals around the world.

- 1. When a facility receives an Ebola virus-infected patient, the facility must immediately notify the Metropolitan St. Louis Sewer District via telephone at 314.768.6260. This number is MSD's 24-hour line.
- 2. If any liquids or other materials generated from treatment and care of an Ebola-virus infected patient are to be discharged to sewer, all such liquids and other materials must be disinfected using disinfectants known to meet CDC's criteria for use against the Ebola virus. The list is available at http://www.epa.gov/oppad001/list-l-ebola-virus.html.
- 3. For any wastes such as feces, urine and vomit, and liquid waste from washing that are produced by the Ebola-infected patient or those in direct contact with the patient: all such wastes must be placed into a toilet or other vessel to hold the wastes, and then disinfected using disinfectants known to meet CDC's criteria for use against the Ebola virus, with a contact time of at least 2.5 times the prescribed contact time for the particular disinfectant. This will help to address aerosolization concerns for wastewater as toilets are flushed, along with differences in disinfection of bulk volumes as compared to surfaces.

We trust you share our concern for protection of workers and the public. If you have any questions, please contact me at 314.436.8717.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Douglas M. Mendoza, P.E.

Manager of Industrial Pretreatment

cc: Brian Hoelscher - MSD Executive Director

Jonathon Sprague, Bret Berthold, Rich Unverferth, John Lodderhose, Susan Myers

Vicki Edwards, Mike Grace, Lance LeComb

### Scott Rehmer

VA-Med-Center

From:

Hall, Gary L. (STL) < Gary. Hall 3@va.gov>

1008-5459-00

Sent:

Monday, November 24, 2014 8:09 AM

To:

Grabski, Fabian T. (STL); Scott Rehmer; Stogsdill, Michael F. (STL); Todd, Roger (STL);

Dave Kupke

Subject:

FW: Emailing: Metro St Louis RAM Discharge Report, Jul - Sep 14

Attachments:

Metro St Louis RAM Discharge Report, Jul - Sep 14.PDF

<< Metro St Louis RAM Discharge Report, Jul - Sep 14.PDF>> Attached

Gary L. Hall
Radiation Safety Officer
VA - St Louis Health Care System
915 North Grand Boulevard
John Cochran Division
St. Louis, MO 63106

Office: (314) 652-4100, extension 54832

Email: gary.hall3@va.gov

It's Another Great Day to Make a Différence!

-----Original Message-----From: Hall, Gary L. (STL)

Sent: Friday, October 31, 2014 2:25 PM

To: Stogsdill, Michael F. (STL)

Subject: FW: Emailing: Metro St Louis RAM Discharge Report, Jul - Sep 14

Greetings:

Report attached. I had to locate it on the web, couldn't find anything in Mr. Chandler's files.

It's not a fillable report and I don't have a type writer.

Also, I don't know where Larry got the permit number from, so I copied the one that was on the report that you gave me the other day.

Sorry it took so long.

Sincerely,

Gary L. Hall
Radiation Safety Officer
VA - St Louis Health Care System
915 North Grand Boulevard
John Cochran Division
St. Louis, MO 63106

Office: (314) 652-4100, extension 54832

Email: gary.hall3@va.gov

It's Another Great Day to Make a Difference!

-----Original Message-----From: Hall, Gary L. (STL)

Sent: Friday, October 31, 2014 2:19 PM

To: Hall, Gary L. (STL)

Subject: Emailing: Metro St Louis RAM Discharge Report, Jul - Sep 14

Your message is ready to be sent with the following file or link attachments:

Metro St Louis RAM Discharge Report, Jul - Sep 14

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name: VA - St Louis Health	Caro Sidon
Permit No:	= 3/11*
Premise Address: 915 N. Grand Blue	&, st Lows MO 63106.
Panarting Deat	R-JUNE) $\Theta(JULY-SEPT)$ $\Theta(OCT-DEC)$
PART II: RECORD OF DISPOSAL OF RADIOACT	
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
Any/ALL	(milliculies)
	7
·	
TOTAL ACTIVITY DISCHARGED:	
PART III: CERTIFICATION STATEMENTS	
Place your initials in the box under item Everyone must complete the information und	A. er items A & B and sign this report
A. CERTIFICATION OF COMPLIANCE WITH STAT	E AND FEDERAL RECHLATIONS
I certify that to the bost of my burns	
and 19 CSR Part 20-10.090 governing disposal regulated by the Nuclear Regulatory Commissio tively, have been met for the period covered	of refease theo samitary sewage for material
B. RADIOACTIVE MATERIALS DISCHARGE REPOR	T CERTIFICATION
I certify under penalty of Law that this document an	d all attachments were prepared under my
Dersons who manage the suppose	ed. Dased on my inquiry of the nerson or
the information submitted is, to the best of my know am aware that there are significant penalties for cossibility of fine and imprisonment for knowing vio	Accorded and berrer, true, accurate, and complete.
Print/type name of signing official:	y L. Hall
litle: Rodiation Safety Officer	Telephone: 314 6 57 4100 x 54837
ignature: fan Itali	Date: 31 Oct 14
V	radrpt.doc 2/00



### Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue`. St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

November 20, 2014

Fabian Grabski
Chief Facilities Engineering
VA MEDICAL CENTER
915 N. Grand Boulevard
St. Louis, MO 63106

Dear Mr. Grabski:

Re: MSD Ebola virus disinfection requirements letter

As you are likely aware, concerns over public health and exposure to the Ebola virus have recently become an issue in the United States. One of these concerns involves the Ebola virus in wastewater and its impact on workers in the sewers, workers at wastewater treatment plants, personnel working on plumbing systems in buildings, and the public that may come into contact with wastewater from sewer blockages or other overflows.

While the Centers for Disease Control and Prevention (CDC) has stated that sewage handling processes in the United States are designed to inactivate infectious agents, these processes do not occur until after potential exposure to all the above-listed parties. Therefore, MSD has developed requirements for treatment of wastewater generated and discharged to the sewer system from facilities that are treating or caring for patients infected with the Ebola virus. Such facilities must treat their wastewater prior to discharge to the sewer system. These requirements have been developed based on Water Environment Federation (WEF) meetings and consultations, and discussions with other sewage agencies located in cities that have treated patients infected with the Ebola virus. WEF is a not-for-profit technical and educational organization of 36,000 individual members and 75 affiliated Member Associations representing water quality professionals around the world.

- When a facility receives an Ebola virus-infected patient, the facility must immediately notify the Metropolitan St. Louis Sewer District via telephone at 314.768.6260. This number is MSD's 24-hour line.
- 2. If any liquids or other materials generated from treatment and care of an Ebola-virus infected patient are to be discharged to sewer, all such liquids and other materials must be disinfected using disinfectants known to meet CDC's criteria for use against the Ebola virus. The list is available at http://www.epa.gov/oppad001/list-l-ebola-virus.html.
- 3. For any wastes such as feces, urine and vomit, and liquid waste from washing that are produced by the Ebola-infected patient or those in direct contact with the patient: all such wastes must be placed into a toilet or other vessel to hold the wastes, and then disinfected using disinfectants known to meet CDC's criteria for use against the Ebola virus, with a contact time of at least 2.5 times the prescribed contact time for the particular disinfectant. This will help to address aerosolization concerns for wastewater as toilets are flushed, along with differences in disinfection of bulk volumes as compared to surfaces.

We trust you share our concern for protection of workers and the public. If you have any questions, please contact me at 314.436.8717.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Douglas M. Mendoza/P.E.

Manager of Industrial Pretreatment

cc: Brian Hoelscher – MSD Executive Director
Jonathon Sprague, Bret Berthold, Rich Unverferth, John Lodderhose, Susan Myers
Vicki Edwards, Mike Grace, Lance LeComb

### **Dave Kupke**

60 PUV 1800 1 X 127 A

From:

Dave Kupke

Sent:

Wednesday, November 19, 2014 1:09 PM

To:

Fabian.grabski@va.gov

Subject:

MSD Ebola virus disinfection requirements letter

November 20, 2014

Fabian Grabski
Chief Facilities Engineering
VA MEDICAL CENTER
915 N. Grand Boulevard
St. Louis, MO 63106

Dear Mr. Grabski:

Re: MSD Ebola virus disinfection requirements letter

As you are likely aware, concerns over public health and exposure to the Ebola virus have recently become an issue in the United States. One of these concerns involves the Ebola virus in wastewater and its impact on workers in the sewers, workers at wastewater treatment plants, personnel working on plumbing systems in buildings, and the public that may come into contact with wastewater from sewer blockages or other overflows.

While the Centers for Disease Control and Prevention (CDC) has stated that sewage handling processes in the United States are designed to inactivate infectious agents, these processes do not occur until after potential exposure to all the above-listed parties. Therefore, MSD has developed requirements for treatment of wastewater generated and discharged to the sewer system from facilities that are treating or caring for patients infected with the Ebola virus. Such facilities must treat their wastewater prior to discharge to the sewer system. These requirements have been developed based on Water Environment Federation (WEF) meetings and consultations, and discussions with other sewage agencies located in cities that have treated patients infected with the Ebola virus. WEF is a not-for-profit technical and educational organization of 36,000 individual members and 75 affiliated Member Associations representing water quality professionals around the world.

- 1. When a facility receives an Ebola virus-infected patient, the facility must immediately notify the Metropolitan St. Louis Sewer District via telephone at 314.768.6260. This number is MSD's 24-hour line.
- 2. If any liquids or other materials generated from treatment and care of an Ebola-virus infected patient are to be discharged to sewer, all such liquids and other materials must be disinfected using disinfectants known to meet CDC's criteria for use against the Ebola virus. The list is available at <a href="http://www.epa.gov/oppad001/list-l-ebola-virus.html">http://www.epa.gov/oppad001/list-l-ebola-virus.html</a>.
- 3. For any wastes such as feces, urine and vomit, and liquid waste from washing that are produced by the Ebola-infected patient or those in direct contact with the patient: all such wastes must be placed into a toilet or other vessel to hold the wastes, and then disinfected using disinfectants known to meet CDC's criteria for use against the Ebola virus, with a contact time of at least 2.5 times the prescribed contact time for the particular disinfectant. This will help to address aerosolization concerns for wastewater as toilets are flushed, along with differences in disinfection of bulk volumes as compared to surfaces.

We trust you share our concern for protection of workers and the public. If you have any questions, please contact me at 314.436.8717.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Douglas M. Mendoza, P.E.

Manager of Industrial Pretreatment

cc: Brian Hoelscher – MSD Executive Director
Jonathon Sprague, Bret Berthold, Rich Unverferth, John Lodderhose, Susan Myers

### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

1008-5459-00

PART I:

**IDENTIFYING INFORMATION** 

Company Name: VA MEDICAL CENTER

Permit No: -1114048000-2

Effective Date: 02/01/2012

Expiration Date: 01/31/2017

Premise Address: 915 N. Grand Blvd, 63106

Monitoring Period:

□(JAN-MAR)

☐(APR-JUNE)

(JULY-SEPT)

Samples Collected By: Envillonmental Monitoring and Tech

Analyses Performed By: EMT

PART II: ANALYTICAL RESULT	S OF SE	ELF MONITORING	
MSD SAMPLE POINT REFERENCE NUMBERS	Ò	001 002	<b>─</b>
DATES ON WHICH SAMPLES WERE COLLECTED	⇔	7-10-14 7/16/14	
TIMES AT WHICH SAMPLES WERE COLLECTED	₽	1400 1415	
PARAMETER	LIMIT	RECORD SAMPLE TYPES (G. C. M OR E) AND RESULTS BELOW ( G=grab, C=composite, M=measured flow, E=estimated flow )	11
FLOW		84,000 E 25,000 E	gallons
BOD		20 C 52 C	mall
COD		110 (242 )	mg/L
Total Phenols		24.00 G 24.00 G	mall
Total Phenols		0.0218 6 0.0134 6	mall
TSS		19.0 C 99.0 C	MIL
1 ² H		8.30 6 8.40 6	PHUMits
Temp		20.36 6 22.1 6	OC
110	-	0.15260,1526	mylL
			·
			٠,
·			·
·			
			]

You must complete and sign the certification statements on the second page.

### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

### PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

-- NONE ---

### PART IV: GENERAL CERTIFICATION STATEMENTS

8	DISCHARGE MONITORING REPORT CERTIFICATION
	All permittees must sign and complete the information below:
	I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted information, including the possibility of fine and imprisonment for knowing violations.
	Print or type name of signing official: MIChael StogsDill
	Title: Pipe Shop Superzuizer Telephone: 314-289-6450
	Signature: Where Date: 9-30-14



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

**Client Sample Results** 

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 001 Composite

Report Date: 07/25/2014

Collection Date: 07/16/2014 14:00

Matrix: Wastewater

Work Order:

14G0342

Lab ID: 14G0342-01

Analyses	Result	EMT Reporting Limit	Qual L	inits	Date/Time Analyzed	Batch	Analyst
Wet Chemistry							
Method: HAC	H 8000						
Chemical Oxygen Demand (COD)	110	10.0	n	ng/L	07 <i>1</i> 22/14 10:40	B4G0844	TB2
Method: SM2	540D		,				
Suspended Solids (Residue, Non-filterable)	19.0	15.0	п	ng/L .	07/18/14 12:50	B4G0741	TB2
Method: SM5	210 B						
Biochemical Oxygen Demand	20	15	rr	ng/L	07/17/14 13:09	B4G0686	CS1
			***************************************				



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

### Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

Client Sample ID: 001 Grab

Report Date: 07/25/2014

Collection Date: 07/16/2014 13:50

Matrix: Wastewater

Lab ID: 14G0342-02

07/24/14 07:40

B4G0992

ZZZ

14G0342

**EMT** Reporting Date/Time Analyses Result Limit Qual Units Analyzed Batch Analyst On Site Analysis Method: SM2550-B Temperature 1.00 °Ç 07/16/14 13:50 B4G0902 AR Method: SM4500-H pН 0.05 pH Units 07/16/14 13:50 B4G0902 AR Wet Chemistry Method: E1664A Oil and Grease (HEM) < 4.00 4.00 mg/L 07/21/14 14:41 84G0729 UR1 Method: E420.1 Rev.1978 by Aquachem Phenolics, Total Recoverable 0.0218 mg/L 07/18/14 10:35 B4G0726 JZ1 Volatile Organic Compounds by GC/MS Method: E624 / SW5030 1,1,1-Trichloroethane < 0.00200 0.00200 mg/L 07/24/14 07:40 B4G0992 777 1,1,2,2-Tetrachloroethane < 0.00200 0.00200 ma/L 07/24/14 07:40 B4G0992 ZZZ 1,1,2-Trichloroethane < 0.00200 0.00200 mg/L 07/24/14 07:40 B4G0992 777 1.1-Dichloroethane < 0.00200 0.00200 mg/L 07/24/14 07:40 B4G0992 ZZZ 1,1-Dichloroethene < 0.00200 0.00200 mg/L 07/24/14 07:40 B4G0992 ZZZ 1,2-Dichlorobenzene < 0.00400 0.00400 mg/L 07/24/14 07:40 B4G0992 ZZZ 1,2-Dichloroethane < 0.00200 0.00200 mg/L 07/24/14 07:40 B4G0992 ZZZ 1,2-Dichloropropane < 0.00200 0.00200 mg/L 07/24/14 07:40 B4G0992 222 1,3-Dichlorobenzene < 0.00200 0.00200 mg/L 07/24/14 07:40 B4G0992 222 1,4-Dichlorobenzene < 0.00400 0.00400 mg/L 07/24/14 07:40 B4G0992 ZZZ 2-Chloroethyl vinyl ether < 0.0100 0.0100 mg/L 07/24/14 07:40 B4G0982 ZZZ Acrolein < 0.0100 0.0100 . mg/L 07/24/14 07:40 B4G0992 ZZZ Acrylonitrile < 0.00400 0.00400 mg/L 07/24/14 07:40 B4G0992 777 Benzene < 0.00200 0.00200 mg/L 07/24/14 07:40 B4G0992 ZZZ Bromodichloromethane < 0.00200 0.00200 mg/L 07/24/14 07:40 B4G0992 ZZZ Bromoform < 0.00200 0.00200 mg/L 07/24/14 07:40 84G0992 ZZZ Bromomethane < 0.00400 0.00400 mg/L 07/24/14 07:40 B4G0992 ZZZ Carbon tetrachloride < 0.00400 0.00400 mg/L 07/24/14 07:40 B4G0992 **Z**ZZ Chlorobenzene < 0.00200 0.00200 ma/L 07/24/14 07:40 B4G0992 ZZZ Chloroethane < 0.00800 0.00800 mg/L 07/24/14 07:40 B4G0992 ZZZ Chloroform < 0.00200 0.00200 ma/L 07/24/14 07:40 B4G0992 ZZZ Chloromethane < 0.00400 0.00400 mg/L 07/24/14 07:40 B4G0992 777 cis-1,3-Dichloropropene < 0.00100 0.00100 mg/L 07/24/14 07:40 B4G0992 ZZZ Dibromochloromethane < 0.00200 0.00200 mg/L 07/24/14 07:40 B4G0992 222 Ethylbenzene -< 0.00200 0.00200 ma/L 07/24/14 07:40 B4G0992 ZZZ m,p-Xylene < 0.00400 0.00400 mg/L 07/24/14 07:40 B4G0992 ZZZ Methylene chloride < 0.00200 0.00200 mg/L 07/24/14 07:40 B4G0992 ZZZ o-Xylene < 0.00400 0.00400 mg/L 07/24/14 07:40 B4G0992 **ZZZ** Tetrachloroethene < 0.00400 0.00400 mg/L

> experts at providing environmental testing solutions water - soil - waste - product - sampling



8100 N. Austin Avenue

Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

### **Client Sample Results**

(Continued)

Client:

St. Louis VA Medical Center

Project:

Work Order:

VASTL John Cochran

14G0342

Client Sample ID: 001 Grab

Report Date: 07/25/2014

Collection Date: 07/16/2014 13:50

Matrix: Wastewater

Lab ID: 14G0342-02 (Continued)

	**************************************	***************************************		Management of the same of the	W-20	DI TIOGOTE DE LO	on accer	
		EMT Reporting				Date/Time		
Analyses	Result	Limit	Qual	Units	•	Analyzed	Batch	Analyst
Volatile Organic Compounds	by GC/M	S (Continu	red)					
Method: E624	/ SW5030 (0	Continued)	•					
Totuene	< 0.00200	0.00200		mg/L		07/24/14 07:40	B4G0992	ZZZ
trans-1,2-Dichloroethene	< 0.0100	0.0100		mg/L		07/24/14 07:40	B4G0992	ZZZ
trans-1,3-Dichloropropene	< 0.00100	0.00100		mg/L		07/24/14 07:40	B4G0992	ZZZ
Trichloroethene	< 0.00200	0.00200		mg/L		07/24/14 07:40	84G0992	222
Trichlorofluoromethane	< 0.00800	0.00800		mg/L		07/24/14 07:40	B4G0992	ZZZ
Vinyl chloride	< 0.00200	0.00200		mg/L	•	07/24/14 07:40	B4G0992	ZZZ
Xylenes, Total	< 0.00800	0.00800		mg/L		07/24/14 07:40	B4G0992	ZZZ
1,2-Dichloroethene, Total	< 0.0200	0.0200		mg/L		07/24/14 07:40	B4G0992	ZZZ
1,3-Dichloropropene, Total	< 0.00200	0.00200		mg/L		07/24/14 07:40	84G0992	222
Surrogate: Dibromofluoromethane				Recovery: 107%	Limits: 85-115	07/24/14 07:40	B4G0992	ZZZ
Surrogate: 1,2-Dichloroethane-d4			S	Recovery: 122%	Limits: 70-120	07/24/14 07:40	B4G0992	ZZZ
Surrogate: Fluorobenzene				Recovery: 99%	Limits: 80-120	07/24/14 07:40	B4G0992	ZZZ ,
Surrogate: Toluene-d8				Recovery: 94%	Limits: 85-120	07/24/14 07:40	B4G0992	ZZZ
Surrogate: 4-Bromofluorobenzene		*		Recovery: 96%	Limits: 75-120	07/24/14 07:40	B4G0992	ZZZ
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 110%	Limits: 70-120	07/24/14 07:40	B4G0992	ZZZ



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

**Client Sample Results** 

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 002 Composite

Report Date: 07/25/2014

Collection Date: 07/16/2014 14:13

Matrix: Wastewater

Work Order:

14G0342

Lab ID: 14G0342-03

Analyses	Result	EMT Reporting Limit	Qual	Units		Date/Time Analyzed	Batch	Analyst
Wet Chemistry	-					Maria de la composición del composición de la composición de la composición del composición de la composición de la composición de la composición de la composición del composición de la composición del composic		
Method: H/	ACH 8000							
Chemical Oxygen Demand (COD)	242	10.0		mg/L		07/18/14 11:45	B4G0735	TB2
Method: Si	<b>A2540D</b>		,					<b>V-V</b>
Suspended Solids (Residue, Non-filterable)	99.0	15.0		mg/L		07/18/14 12:50	B4G0741	TB2
Method: Si	45210 B				,			
Biochemical Oxygen Demand	52	15		mg/L		07/17/14 13:09	B4G0696	CS1



8100 N. Austin Avenue Morton Grove, IL 60053-3203

P 847.967.6666

800.246.0663 F 847.967.6735 www.emt.com

#### Client Sample Results

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 002 Grab

Report Date: 07/25/2014

Collection Date: 07/16/2014 14:15

Matrix: Wastewater

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

07/24/14 08:12

B4G0892

B4G0992

B4G0992

B4G0982

B4G0992

ZZZ

**ZZZ** 

ZZZ

ZZZ

ZZZ

ZZZ

777

ZZZ

ZZZ

ZZZ

227

ZZZ

ZZZ

ZZZ

ZZZ

Work Order:

Bromodichloromethane

Bromoform

Bromomethene

Chlorobenzene

Chloromethane

Ethylbenzene

Methylene chloride

Tetrachloroethene

m,p-Xylene

o-Xylene

cis-1,3-Dichloropropene

Dibromochloromethane

Chloroethane

Chloroform

Carbon tetrachloride

< 0.00200

< 0.00200

< 0.00400

< 0.00400

< 0.00200

< 0.00800

< 0.00200

< 0.00400

< 0.00100

< 0.00200

< 0.00200

< 0.00400

< 0.00200

< 0.00400

< 0.00400

0.00200

0.00200

0.00400

0.00400

0.00200

0.00800

0.00200

0.00400

0.00100

0.00200

0.00200

0.00400

0.00200

0.00400

0.00400

mg/L

14G0342

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			•	Lab ID:	14G0342-04		
		EMT					***************************************
		Reporting			Date/Time		
Analyses	Result	Limit	Qual Units		Analyzed	Batch	Analyst
On Site Analysis						•	·
Method: SM	12550-B						
Temperature	22.1	1.00	•c		07/16/14 14:15	B4G0902	AR
Method: SM	4500-H	•					
рН	8.40	0.05	pH Units		07/16/14 14:15	B4G0902	AR
Wet Chemistry							
Method: E16	664A			,			
Oil and Grease (HEM)	< 4.00	4.00	mg/L		07/21/14 14:41	B4G0729	UR1
Method: E42	20.1 Rev.1978	by Aquache	em.				
Phenolics, Total Recoverable	0.0134	0.0100	mg/L	•	07/18/14 14:28	B4G0748	JZ1
Volatile Organic Compoun	ds by GC/M.	S					
Method: E62	_	•					
1,1,1-Trichloroethane	< 0.00200	0.00200	mg/L		07/24/14 08:12	B4G0992	ZZZ
1,1,2,2-Tetrachloroethane	< 0.00200	0.00200	mg/L		07/24/14 08:12	B4G0992	ZZZ
1,1,2-Trichloroethane	< 0.00200	0.00200	mg/L		07/24/14 08:12	B4G0992	22Z
1,1-Dichloroethane	< 0.00200	0.00200	mg/L		07/24/14 08:12	84G0992	22Z
1,1-Dichloroethene	< 0.00200	0.00200	mg/L		07/24/14 08:12	B4G0992	ZZZ
1,2-Dichlorobenzene	< 0.00400	0.00400	mg/L		07/24/14 08:12	B4G0992 B4G0992	222 222
1,2-Dichloroethane	< 0.00200	0.00200	mg/L		07/24/14 08:12	B4G0992	222 222
1,2-Dichloropropane	< 0.00200	0.00200	mg/L		07/24/14 08:12	B4G0992	222 222
1,3-Dichlorobenzene	< 0.00200	0.00200	mg/L		07/24/14 08:12	B4G0992	ZZZ
1,4-Dichlorobenzene	< 0.00400	0.00400	· mg/L		07/24/14 08:12	B4G0992	ZZZ
2-Chloroethyl vinyl ether	< 0.0100	0.0100	mg/L		07/24/14 08:12	B4G0992	ZZZ
Acrolein	< 0.0100	0.0100	mg/L		07/24/14 08:12	B4G0992 B4G0992	ZZZ
Acrylonitrile	< 0.00400	0.00400	. mg/L		07/24/14 08:12	B4G0992	ZZZ
Benzene	< 0.00200	0.00200	mg/L		. –		
Denonaciable and the second	- 0.00200	5.002.00	HINGE.		07/24/14 08:12	B4G0992	ZZZ

experts at providing environmental testing solutions water · soil · waste · product · sampling



8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

**Client Sample Results** 

(Continued)

Client:

St. Louis VA Medical Center

Project:

VASTL John Cochran

Client Sample ID: 002 Grab

Report Date: 07/25/2014

Collection Date: 07/16/2014 14:15

Matrix: Wastewater

Work Order:

14G0342

Lab ID: 14G0342-04 (Continued)

	CONTRACTOR		Water Commencer of the Parket					
Analyses	Result	EMT Reporting Limit	Qual	Units		Date/Time Analyzed	Batch	Analyst
Volatile Organic Compound	s by GC/M	S (Continu	ad)		britis populario de la compania del compania del compania de la compania del la compania de  la compania de la		***************************************	7ay 01
			-w)			,	•	
Method: E624	1 2442030 ((	-ontinuea)						
Toluene	< 0.00200	0.00200		rng/L		07/24/14 08:12	B4G0992	ZZZ
trans-1,2-Dichloroethene	< 0.0100	0.0100		mg/L		07/24/14 08:12	B4G0992	ZZZ
trans-1,3-Dichloropropene	< 0.00100	0.00100		mg/L		07/24/14 08:12	B4G0992	ZZZ
Trichloroethene	< 0.00200	0.00200		mg/L		07/24/14 08:12	B4G0992	ZZZ
Trichlorofluoromethane	< 0.00800	0.00800		mg/L	÷	07/24/14 08:12	B4G0992	ZZZ
Vinyl chloride	< 0.00200	0.00200		mg/L		07/24/14 08:12	B4G0992	
Xylenes, Total	< 0.00800	0.00800		mg/L		07/24/14 08:12		ZZZ
1,2-Dichloroethene, Total	< 0.0200	0.0200		mg/L	,		B4G0992	ZZZ
1,3-Dichloropropene, Total	< 0.00200	0.00200		mg/L		07/24/14 08:12	B4G0992	ZZZ
***********************						07/24/14 08:12	B4G0992	ZZZ
Surrogate: Dibromofluoromethane			S	Recovery: 116%	Limits: 85-115	07/24/14 08:12	B4G0992	ZZZ
Surrogate: 1,2-Dichloroethane-d4				Recovery: 118%	Limits: 70-120	07/24/14 08:12	B4G0992	ZZZ
Surrogate: Fluorobenzene				Recovery: 101%	Limits: 80-120	07/24/14 08:12	B4G0992	ZZZ
Surrogate: Toluene-d8				Recovery: 98%	Limits: 85-120	07/24/14 08:12	B4G0992	ZZZ
Surrogate: 4-Bromofluorobenzene				Recovery: 103%	Limits: 75-120	07/24/14 08:12	B4G0992	ZZZ
Surrogate: 1,2-Dichlorobenzene-d4		,	•	Recovery: 112%	Limits: 70-120	07/24/14 08:12	B4G0992	ZZZ .



### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

1/0		
	_ Odiidii 1.D	Date 7/15/1
Ambient Weather 70° Clor Wind (O) W		Departure Time14605
Sampler I.D Sampler Type 15-	Meter I.D.	Meter Type
Battery I.D.		
Sampling Interval 30mi	Reading Level	Actual Level
Multiplex		
Number of Samples Sample Collected At 17.3	Primary Device	
Time/Flow/Storm ICE/Ref:	Maximum Head Height _	
Install Service Pull	Sample Initiation	_ Sampler Start Time <u> </u>
Bottle # Volume Description / Com	ments	Sanitary
1.		-
		••
3. COOD MANNY SAMPLE		Clear
4		
5.	***************************************	. Oil Film
6.	***************************************	. Foamy
7		Flock
8	i	Sediment
9		
10.		
11.		
12.		
14.		
15		
16		\
17.		`
18,		Grab pH
19		
20.		Grab Temp
21.		
22.		Incoming Meters
24		
,		
Client Meter Flow, Sn RD	LACTL	
Technician J-hich Signature	Date 7/15/16	
Technician Signature	Data	



### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE

MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Client John Chain VA	Outfall I.D. OOI EVC Date 7/16/11
Ambient Weather 10 Clar Wind 0.5 W	Arrival Time 1340
Sampler I.D. 6 Sampler Type 15co	Meter I.D. Meter Type
Battery I.D.	Battery I.D.
Sampling Interval 30min	Reading Level Actual Level
Multiplex Co m	Total Class
Number of Samples 48 Sample Collected At 14:0	Total Flow
fime/Flow/Storm ICE/Ref:	
Install Service (Pul)	Maximum Head Height
	Sample Initiation Sampler Start Time
Bottle # Volume Description / Co	omments Coniton
1	
2. ) 4   1   1/	- Cloudy
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Clear
4.	Milky
5	Oil Film
6. Top 6.0	Foamy
	TIOCK
8	Sediment
9	Color 72
10.	Other
11. 1651 Port 1/1/4	Equino
13	pH Meter Calibration
15	4.0 = 4.00
16.	10.0 = 10.0 2
17.	·
18	,
19	Grau pri 2:2
20.	Grab Temp <u>20.3</u>
21.	
22	Incoming Meters
23.	
24.	
Client Meter Flow	DLACTL
Technician / Signature Signature	Date 2/14/14
Technician Signature	Data '



#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

	1 11		
Client Jalu G	de VA	Outfall I.D	EVL Date 3/5/11
Ambient Weather $\mathcal{W}U_{r}$	Wind(0-7)	Arrival Time 14110	Departure Time 15/1/
Sampler I.D.	Sampler Type <u>/১-১</u>	Meter I.D	Meter Type
Battery I.D.		Rattery I D	
Sampling Interval		Reading Level	Actual Level
Minimplex — 2		Total Flow	
Number of Samples	Sample Collected At	Primary Device	
Ime/Flow/Storm	CE/Bef:	Maximum Head Height	
Install Service	Pull		Sampler Start Time 19/13
Bottle # Volume	Description / Co	omments	Sanitary
.1:		•	
15 Table 1 Tab			Cloudy
3.	(m) M		Clear
4,	JAMP JAMP	V	Wilky
5			
6			Foamy
			· · · · · Flock - · · ·
14			
16			10.0 =
18			,
19		1	, , , , , , , , , , , , , , , , , , ,
20			
21		***************************************	·
			Incoming Meters
23			
<u> </u>			
Olland Read - TI			
Client Meter Flow Fechnician		DL ACTL	· :
Technician	SignatureSignature	Date 7/15//	<i>y</i>
	OlyHatule	Date	



#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053

fax 847-967-6735

Client www.	VA	Outfall I.D. OOD	812 - 7/1
Ambient Weather 70. C/a	Wind(6.5) w	Arrival Time Arrival D	Date 7/1/4
Sampler I.D.	Sampler Type 150	Motor I D	Departure Time/ 4: 40
Battery I.D.	Т туро туро	Potton I D	_ Meter Type
Sampling Interval 30		Battery I.D	
Multiplex			Actual Level
	Sample Collected At [4]	Total Flow	
Time/Flow/Storm	ICE/Ref:		
Install Service	Pull	Maximum Head Height _	
OCIVICE .	Pull	Sample Initiation	_ Sampler Start Time
Bottle # Volume	Description / Comr	ments	Sanitary
1		- /	SS
2.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		,
4	50/ J6 766	#	
5		***************************************	Milky
6	7 77		Oil Film
7	7		Foamy
/			Flock
9.			Color 7
10.	1		Other
11 /63 7 Dong	Pulled E	ain C	Other
12			
13		1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	pH Meter Calibration
14			7.0 = <u>7.0 /</u>
15	,	,	$4.0 = \underline{G \cdot \omega}$
16			$10.0 = \frac{10.01}{10.01}$
17			Grab Time /4:/5
18			Grab pH 8.4
19.			- ·
20			Grab Temp 22,
22			
23		,	Incoming Meters
24			
Client Meter Flow	.Sn RDL	ACTI	
echnician / / /	Signature /	Date 7/11/12	
echnician	Signature	Date Date	

B	Environ	Environmental Monitoring and Technologies	ring and Tect	C nnologies	HAINO	CHAIN OF CUSTODY	>	3 3	Page 1 of	o.		Heer st
	8100 Austin Av Morton Grove II., 60053-3203	8100 Austin Ave Morton Grove II. 60053-3203		å. ú	Phone: 800-246-066	Phone: 800-246-0663			COC Number			
			, i		A. 04/*30	ec-/p-/		3	b Wark Ura	er Numbe	Lab Work Urder Number 1450342	
St. Louis VA Medical Center		VASTL John	Cochran	T					-	-		equested lum Anyind
Clent Contact Michael F. Stogsdill		Project Number [none]		SS; BC	OD SS; BC	eld To	vocs	ocs og			Rushreques	Rush requests subject to additional charge.
Address 915 N. Grand Avenue	Andrew Street	Project Description	m stawater			Tilly:	95	handling, ye, common		uuunnuuttiviu	Rush regu	Rush requests subject to lab approval.
City .		PO Number 657C40072	and the second			n:C*; F					227	
State/Zip MO, 63106	and the state of t	Shipped By		T		leld pl						Standard (days)
973	Fax (314) 894-6557	Tracking Number		I		H				annon-baang		5 Expedited (days)
2.6.7	Sampler Signature	a true				-				-		Due Date
		9							,			nedyndeninininininininininininininininininin
100	palders I somewe	Fodbl eidties F	F	container	_	-	Preservation Code	Spot wo			STATE OF THE STATE	
		-		¥ Š	9.	7	6 .	N	٠.		Sample	Comments
ite .	1,1,00		≥	4	3					-	0 406	
	##		≥	+	-	-	6	러	3		2 18CN	EF4 KI
ice	4/4/1/1/3	U	3	_	3 1						8 12/1	でなるないのできる。
002 Grab	21:41 11:12	9	≥ .	8		1	0 3	1	3		04 AR. OF	7447
				+	$\dashv$		=				·	
				-	4							
			1	+	+	1		-				
			1		-	-	1	+	+	-		で変数の数数の
				+	1			-	+	+		
												The second secon
			-									
Relinquished By	Date Time	Received 8y				Date/Time	The second	Sample Kit Prepared By	2		Date Ming it	/3:30
Relinquished By	Date/Time	Raceived By		\		Date/Time	Comments					)
Retinquished By	Oate/Time	Bod By	0		4	Breffing C	7 6					
Cooler Numbers and Temperatures	20/ 4			1		7.6	<del> </del>					
Matrix Codes: Ws	Wawater			Prese	Preserv. Codes;	Sathydrochloric	scid (HCI) pH	2, Store at 4	C,9*No Preserva	live, Store at	Serbydrochloric add (HCl) pH <2. Store at 4 C,9eNo Preservative, Store at 4 C,2=Sulfurt, add (H3504) nH <2 store at 6 C.	MAINTENNESS CONTRACTOR OF A C



#### Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

July 9, 2014

Henry J. Moglia
Environmental Engineer
VA MEDICAL CENTER
Dept. of Veteran Affairs, St. Louis Division
915 N. Grand Blvd.
St. Louis, MO 63106
Attn: H. Moglia, JC, Bldg. 7, Rm 19

RE: DISCHARGE APPROVAL - WASTEWATER DISCHARGE PERMIT NO. 1114046000 - 2

For premise at: 915 N. Grand Blvd, St. Louis, MO 63106

Dear Mr. Moglia:

We have reviewed your request regarding the appropriateness of discharging wastewater from batches of effluent treated with a food waste biological aerobic digester to the Metropolitan St. Louis Sewer District. We have also reviewed the FAQ sheet and the design specifications.

We understand that the planned discharge is approximately 10,400 gallons per day of kitchen waste when operating. This will be in addition to all other discharges currently in place, or approximately 84,800 gallons per day of total effluent, directed through Sample Point 001. This sample point is the manhole S of Bell curb and 80' E of Spring.

Based on the information you provided and that in the MSD database, it appears that the addition of this wastewater to the effluent from the rest of your facility would result in a total facility effluent which would meet the standards of MSD Ordinance 12559.

There are a number of factors which can affect the compliance of the facility effluent with federal standards and MSD Ordinance 12559 standards, and it is the user who has the responsibility to maintain the facility in compliance with those limits. This letter is not intended to allow discharge of any material that would cause a violation of federal standards or the ordinance.

Thank you for your assistance in helping us comply with state and federal regulations. If you have any questions, please contact me at 314.436.8756.

Sincerely.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

cc: Doug Mendoza

Facility ID: VA MEDICAL CENTER [1008545900]

**Scott Rehmer** 

VA - Medical Center

From:

Moglia, Henry J. (STL) <henry.moglia@va.gov>

1008-5459-00

Sent:

Tuesday, July 08, 2014 8:40 AM

CRAND

To:

Scott Rehmer

Cc:

Hudson, Ted VCSCO

Subject:

RE: [EXTERNAL] RE: Waste Digester Pilot Project

**Attachments:** 

HSD Requested Information Regarding The Food Waste Digester!

Hi Scott,

Per your request. (The attached info is for the JC Digester, which is all that is planned at this time.)

#### HENRY J. MOGLIA

Environmental Engineer/GEMS Coordinator VA St. Louis Health Care System (314) 652-4100/x54731

**From:** Scott Rehmer [mailto:srehmer@stlmsd.com]

Sent: Tuesday, July 08, 2014 8:21 AM

To: Moglia, Henry J. (STL)

Subject: [EXTERNAL] RE: Waste Digester Pilot Project

Hi Henry.

Please see below.

From: Scott Rehmer

Sent: Wednesday, July 02, 2014 8:43 AM

To: 'Moglia, Henry J. (STL)'

Subject: RE: Waste Digester Pilot Project

Follow up questions:

Could you let us know how this will be plumbed?

Specifically, which sample point(s) at your two facilities will the wastewater pass through?

And, please let us know the final screen size, when you know.

Thanks, Scott M. Rehmer, MSD

From: Moglia, Henry J. (STL) [mailto:henry.moglia@va.gov]

Sent: Tuesday, July 01, 2014 10:39 AM

To: Scott Rehmer

Subject: FW: Waste Digester Pilot Project

#### HENRY J. MOGLIA

Environmental Engineer/GEMS Coordinator

VA St. Louis Health Care System

(314) 652-4100/x54731

From: Moglia, Henry J. (STL)

Sent: Tuesday, July 01, 2014 7:26 AM

#### **Scott Rehmer**

From:

Hudson, Ted VCSCO < Ted. Hudson@va.gov>

Sent:

Thursday, July 03, 2014 12:23 PM

To:

Moglia, Henry J. (STL)

Subject:

HSD Requested Information Regarding The Food Waste Digester!

SP001

Hi Henry! The manufacturer of the Food Waste Digester, BioHitech America, gave me the following information. The Food Waste Digester screen (perforations) size is 2.5 mm. The grey water discharge particle size is less than 1.0 mm.

As you know, this information came from Mike Stogsdill:

Food digester will be installed with drain into floor drain in Room A342A in Kitchen area.

We have 2 sample points here at JOHN COCHRAN VA.

Sample Point 1 LOCATION MH S of Bell curb 80' E of Spring This is the sample point that the food digester will drain thru. This sample point is 84,773 GPD.

Waste source category: Storm Water+ Sanitary + Non Contact Cooling Water + Hospital Waste+ Kitchen Waste + Laboratory Waste(animal, research + diagnostic Labs) + Boiler Blowdown + Regeneration/Reject Water.

I am waiting to hear from the plumbing folks at JB. Have you received anything?

Ted Hudson
National Sustainability Officer
Veterans Canteen Service Central Office
Building 25
1 Jefferson Barracks Road
Saint Louis, MO 63125
Phone: 314-845-1275
Blackberry: 214-365-5455
Ted.hudson@va.gov



Facebook | Find us on Facebook
Twitter | Follow us on Twitter
Online Catalog | Visit our Online Exchange Catalog



#### **Scott Rehmer**

From:

Moglia, Henry J. (STL) <henry.moglia@va.gov>

Sent:

Tuesday, July 01, 2014 10:39 AM

1008-5459-00 (GRAND)

To:

Scott Rehmer

Subject:

FW: Waste Digester Pilot Project

2) 1008-5443-00 (KOCH)

**Attachments:** 

STL MSD Food Waste Digester Summary 3-28-2014 ver-1.docx

#### HENRY J. MOGLIA

Environmental Engineer/GEMS Coordinator

dept. of Veteran Affairs

VA St. Louis Health Care System

St. Louis Division 915 N. Grand

(314) 652-4100/x54731

STL, mo 63106

Attu: H-Moglia, JC/Bldg 7/Rm19-

From: Moglia, Henry J. (STL)

Sent: Tuesday, July 01, 2014 7:26 AM

**To:** Steve Grace <<u>sgrace@stlmsd.com</u>> (<u>sgrace@stlmsd.com</u>)

Cc: Hudson, Ted VCSCO

Subject: FW: Waste Digester Pilot Project

Steve,

Have you had a chance to visit this? Canteen Services is ready to move out on the project.

Thanks!

#### HENRY J. MOGLIA

Environmental Engineer/GEMS Coordinator VA St. Louis Health Care System (314) 652-4100/x54731

From: Moglia, Henry J. (STL)

Sent: Friday, March 28, 2014 12:49 PM

**To:** Steve Grace <<u>sgrace@stlmsd.com</u>> (<u>sgrace@stlmsd.com</u>)

Cc: Hudson, Ted VCSCO

Subject: Waste Digester Pilot Project

Hi Steve,

Would it be acceptable to MSD to discharge the "grey" water effluent from the subject VCS digester pilot program into the combined sanitary/storm sewer system at JB/JC?

Please advise.

As always, thanks for your assistance.

#### HENRY J. MOGLIA

Environmental Engineer/GEMS Coordinator VA St. Louis Health Care System (314) 652-4100/x54731



# <u>Veterans Canteen Service Food Waste</u> <u>Digester Program</u>

March 28, 2014

The Veterans Canteen Service (VCS) has launched a Food Waste Digester Sustainability Program designed to significantly reduce food waste from entering our nation's landfills, reduce The Department of Veterans Affairs (VA) waste removal cost, and directly assist VA with meeting the E.O. 13514 waste diversion rate of at least 50% by 2015. VCS has acquired funding to place 50 Food Waste Digesters at VCS/VAMC facilities nationwide. VCS expects to feed Digesters with food waste from VCS PatriotCafé Kitchens, PatriotBrew Coffee Shops, and N&FS Kitchens. VCS has chosen The Vanella Group as the manufacturer's Representative (vendor of choice) to supply VCS with BioHitech Food Waste Digesters (see <a href="www.biohitech.com">www.biohitech.com</a>). The Digesters and consumable products (micro-organisms, wood-chips, and odor suppression solution) are made in the United States. The equipment comes with a full one year parts and labor warranty, six months of consumables, phone service support, training, and on-site installation support.

The Digesters are simplistic in design making it easy to maintain. It also has a sophisticated user interface that allows for enterprise-wide network (wired or wireless) connectivity or stand-alone operations. The equipment tracks food waste by weight, by category, by grey-water volume generated, by food category, and by usage status (active or dormant). The Digester has the capability to re-use the grey-water it generates in place of fresh water. It also has the capability to record utility usage so operations can be tailored for peak efficiency

Through a process that includes water, micro-organisms, proprietary wood-chips, odor suppression solution and a constantly turning auger, the Food Waste Digester can turn food waste material into grey-water (a.k.a. effluent) that can be discharged down a sanitary drain/sewer, or diverted to a holding tank, filtered with UV light, and used as a landscape irrigation amendment. The grey-water discharge contains no solids and has been approved by hundreds of municipal waste water treatment facilities as safe for discharge into sanitary sewer systems nationwide.

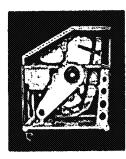
VCS will partner with VA Nutrition and Food Service Groups or other GEMS Group to install a rollout test site to develop rollout logistic processes, installation methods, training, usage, and sizing.



The VCS Food Waste Digester Program is an alternative to traditional composting. It will work well in all climates and all size facilities. It is another tool to help VCS make our operations more environmentally sound. Please contact Ted Hudson, VCS National Sustainability Officer at 314-365-5455 or <a href="ted.hudson@va.gov">ted.hudson@va.gov</a> to discuss your participation in this program.

# Design Specifications

- Available in three sizes
- Designed in durable stainless steel to:
  - · Compliment industrial kitchen equipment
  - Provide bing life
  - · Resist comosion.

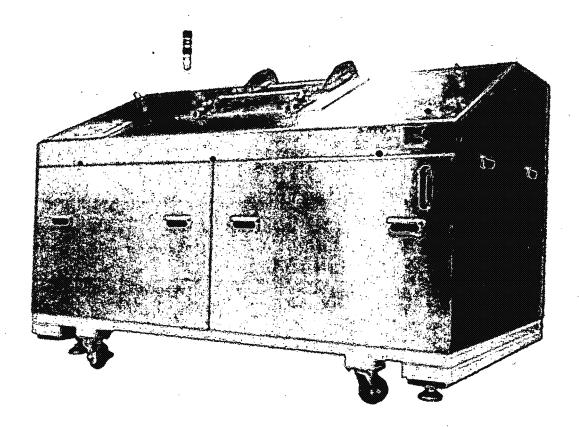




SPECIF	FICATIONS	UNIT		MODEL	
		,	Eco-Safe 4	Eco-Safe 8	Eco-Safe 12
Capacity		Pouzids per 24 hours	up to 800	up to 1600	up to 2500
	Length	Inches	43	67	67
Olmensions	Depth	Inches	36	44	44
	Helgta	Inches	48	62	52
	Webste	Poueds	683	1000	1350
		Vokage	208 Volt 3-Phase	208 Volt 3-Phase	208 Volt 3-Phase
Power Source		Acces ogo	30 Amps	30 Amps	30 Amps
		Horsopower	0.76	1.8	2.0

SigHitech America * www.biolitech.com





Page 3 of 3

# **BioHitech Food Waste Digesters**

# A COST-EFFECTIVE, ENVIRONMENTALLY RESPONSIBLE SOLUTION FOR FOOD WASTE DISPOSAL.

· Aerobic, on-site digester

Continual Feed, Not batch feed

· Quiet, clean, and easy-to-operate

No choppers or grinders

No additional handling required

No airborne contaminants present

Self-contained, stainless steel unit Discharges to a standard sewer line

No solids generated No chemicals used

#### **ECO-SAFE DIGESTER® BENEFITS**

- Reduces hauling costs by reducing waste volume and collection frequency
- Improves efficiency and workflow
- Captures a valuable resource
- Replenishes water supplies
- Eliminates the transportation of food waste to landfills or distant compost facilities
- Eliminates compactor odors
- Reduces janitorial costs
- · Prevents pollution and much more

# FREQUENTLY ASKED QUESTIONS

#### Is the technology proven and reliable?

Yes. Of all the biological treatment methods, <u>aerobic</u> digestion technology is the most widespread process used throughout the world. It is generally accepted as the most advanced method for managing food waste, as it is reliable, cost effective and highly efficient in disposing food waste.

#### Are the micro-organisms safe?

The <u>microorganisms</u> are perfectly safe, naturally-occurring and non-pathogenic, i.e. they do not cause disease. There are also no harmful effects to local drains or sewage systems. In effect the microorganisms boosts the population of beneficial bacteria in the system, and there would actually be beneficial effects further downstream.

#### Is the machine easy to operate?

Yes. Simply open the Eco-Safe Digester® hatch door and add food waste, then close the door. After the Eco-Safe Digester® is installed a BioHitech representative will dedicate time to train every staff member on the proper operating procedures. Our training does not end until the staff is comfortable with their interaction and responsibility of the machines performance.

### How much food waste can I put in the Eco-Safe Digester®?

The Eco-Safe Digester® can process up to 2,500 pounds of food waste over a 24 hour period but because it is a continuous feed process, the additions of food waste must be staged over the course of the 24 hours. Trying to put too much food waste into the Eco-Safe Digester® at one time will overload the machine and slow the digestion process. Operators should aim to add approximately 100 pounds per hour to achieve maximum performance.

#### What can I put into the Eco-Safe Digester®?

The Eco-Safe Digester® is designed to process a wide range of food waste types like, fruit, vegetables, cooked and uncooked meat and poultry, fish, dairy, bakery items, etc.

#### What can't I put into the Eco-Safe Digester®?

The machine cannot process anything that is not food waste and cannot be easily broken down such as large bones, mussel and clam shells, pineapple tops, packaging, general waste or cutlery. Placing the wrong items into the machine could cause damage and could void the warranty.

#### Can I put hot soups or frozen foods in the machine?

No. Please allow for the food waste to come to room temperature before adding. If very cold or very hot food waste is added it could change the core temperature of the digester and kill the microorganisms that breakdown the food waste.

#### How long can the hatch door be open for?

It is best to have your sorted food waste (out of all plastic and packaging) ready to be fed into the machine before opening the door. Extended periods of time the door is open, more than five minutes, will cause the core temperature of the digester to come down. The microorganisms thrive in a consistently warm environment. Over exposure to cold temperatures could kill the microorganisms.

### What can I do to keep the machine running at 100%?

Keeping the machine fed and clean is the most important. Daily inspections and removal of any in-organic materials that may have accidentally been added to the digester is suggested.

### Does the machine grind or chop the food waste?

No, the Eco-Safe Digester® does not grind or chop the food waste it gradually digests the food waste into a liquid.

### Is there any by-product to manage?

No. All of the food waste will be digested and discharged to the drain as grey water.

### What are the installation requirements?

The machine requires a hot and cold water supply, 208V - 30 amp - 3 phase electricity, and a 3" to 4" floor drain.

#### How long does it take to install?

Once the plumbing and electrical roughing are completed by the customer and is confirmed installation can be completed in one day.

Page **2** of **3** 

#### What is the warranty on the Eco-Safe Digester®?

Each Eco-Safe Digester® comes with one year limited warranty.

#### How long does it take to receive the machine?

All orders can be filled within two weeks.

#### Do I need approval from the water authority?

No. The Eco-Safe Digester® output does not contain any harmful chemicals and is discharged into the public sewerage system, so there is no requirement to obtain approval from any environment agencies or local water authorities. Ultimately, it is our customer's responsibility to determine the suitability of the product before ordering and that installations and operations comply with local water authority guidelines.

#### How much water is consumed and discharged per day?

When operating our largest machine in a 24 hour period, the fresh water consumption is no more than 300 gallons per day. The effluent discharged is 400 to 500 gallons per day.

#### What is Aerobic Digestion?

Aerobic digestion is the natural biological decomposition process in which natural bacteria thrive in an oxygen-rich environment breaking down and digesting food waste. The digestion process produces a liquid (aka effluent or grey water) which can be recovered at wastewater treatment facilities.

#### What is Effluent?

Effluent is defined by the United States Environmental Protection Agency as "wastewater". Approximately 100 gallons of effluent is produced by every 1,200 pounds of food digested.

#### Why are there wood chips in the Eco-Safe Digester®?

The wood chips are where the microorganisms live. The wood chips will remain in the machine at all times.

Let's work together to find a better solution for food waste disposal.

We are happy to talk with you about your waste goals and your needs, provide more information about our technology, demonstrate our solution, and answer any questions you may have.

Please fill out the form, or contact us directly.

888.876.9300

BioHitech America 80 Red Schoolhouse Road Suite 101 Chestnut Ridge, NY 10977

#495 P.012/013

)13 5f , 20

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORMATIO	N 1008-	5459-00		
Company Name: VA MEDICAL CENTER				
Permit No: 1114046000-2 Effective	re Date: 02/01/2012	Expiration	Date: 01/31/2	<b>017</b>
Premise Address: 915 N. Grand Blvd, 6310	6			• .
Monitoring Period: □(JAN-MAR)	(APR-JUNE)	□(JULY-SEP	Ť) DO	OCT-DEC)
Samples Collected By: En Vikoment	& Monitor	D(JULY-SEP	LINE	001-020)
Analyses Performed By: EMT	,	7.		
PART II: ANALYTICAL RESULTS OF	SELF MONITORING	3	,	
MSD SAMPLE POINT REFERENCE NUMBERS	001	002	i ·	
		1		

MSD SAMPLE POINT REFERENCE NUMBERS	⇔		901	T .	002	T		1
DATES ON WHICH SAMPLES WERE COLLECTED	⇔	-71	-22-14	7	4-23-14	╢		1
TIMES AT WHICH SAMPLES WERE COLLECTED	. ⇔	-3	355		1400		,	
, PARAMETER	LIMIT	7	CORD SAMPLE T	YPES nposite	(G, C, M OR E) A , M=measured flow, I	ND RE	ESULTS BELOW	UNITS
FLOW .			84,000		25,000	T .		-
BOD			58.6	C	41.2	C		mall
COD			309	د	183	C		mall
Oil and Grease T			7.66	᠖	<4.00	G		male
TSS.			52.0	2	49.0	C		mg/L
PH		·	0.0519					
Temp			20.10	6	51.1c	G		°C.
PH			7.30	G	7.50	G		PH UNT
			**					
	***************************************							
						Ì		
·								
	-					$\dashv$		All the state of t
-						+		
·						$\neg \dagger$	-	

You must complete and sign the certification statements on the second page.

#### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

3142897075

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

--- NONE ---

#### PART IV: GENERAL CERTIFICATION STATEMENTS

B	DISCHARGE MONITORING REPORT CERTIFICATION
	All permittees must sign and complete the information below:
	I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.  Print or type name of signing official:
	Title: Pipe Shop Supervisor Telephone: 314-289-6456
	Signature: Michael Strysolell  Date: 5-20-14

#### 3142897075

ME	TROPO	LITAN	ST.	LOUIS	SEWER	DISTRICT	
INDUSTRIAL	USER	RADIO	ACTI	VE MAT	ERTALS	DISCHARGE	מרס מים מרס מים

PART I: IDENTIFYING INFORMATION	
Comp any Name:John Cochran VA Medical Cen	ter
Permit No:	
Premise Address: 915 North Grand Bl	vd. St. Louis, MO. 63106
Reporting Period:   (JAN-MAR)  PART II: RECORD OF DISPOSAL OF RADIOACT	PR-JUNE) D(JULY-SEPT) D(OCT-DEC)  IVE MATERIALS TO THE SEWER SYSTEM
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
Any 1 All	(MITTICATIES)
17.0	7
TOTAL ACTIVITY DISCHARGED:	9
PART III: CERTIFICATION STATEMENTS	,
Place your initials in the box under item Everyone must complete the information und	A. er items A & B and sign this report.
A. CERTIFICATION OF COMPLIANCE WITH STATE	
I certify that to the best of my knowledge & and 19 CSR Part 20-10.090 governing disposal	belief, all requirements of 10 CFR Part 20.2003 by release into sanitary sewage for material
B. RADIOACTIVE MATERIALS DISCHARGE REPOR	T CERTIFICATION
I certify under penalty of Law that this document and direction or supervision in accordance with a system properly gather and evaluate the information submitted persons who manage the system, or those persons directly information submitted is, to the best of my known I am aware that there are significant penalties for possibility of fine and imprisonment for knowing vio	n designed to assure that qualified personnel ed. Based on my inquiry of the person or ectly responsible for gathering the information, yledge and belief, true, accurate, and complete. submitting false information including the
Print/type name of signing official:	Larry Chandler, MSRHS
Title:Radvation Safety Officer	Telephone: 314-289-6348
Signature: Sau Chaul	Date: 6 / / radrpt.doc 2/00



8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Lab Order:

14040695

Project:

VASTL John Cochran

Lab ID:

14040695-02

Client Sample ID: 001 Grab

Report Date: 4/30/2014

Collection Date: 4/23/2014 1:50:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reporti Limit	¥734	Date Analyzeo	l Batch	Analyst
On-site pH by Ion Selective Electrode		Method:	SM4500-H			
pH	7.30		pH units	4/23/14 13:50	R200875	AR
Temperature Centigrade		Method:	SM2550-B			
Temperature	20.1	1.	°C	4/23/14 13:50	R200875	AR -
Hexane Extractable Materials, (FOG)		Method:	E1664A	•		
Oil and Grease (HEM)	7.66	4.00	mg/L	4/25/14 09:15	R201010	UR1
Phenolics		Method:	E420.1 REV.1978 BY	AQUACHEM		
Phenolics, Total Recoverable	0.0519	0.0100	mg/L	4/29/14 10:58	89378	JZ1

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services water soil air product waste



5



8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Lab Order:

14040695

Project: Lab ID: VASTL John Cochran

14040695-01

Client Sample ID: 001 Composite

Report Date: 4/30/2014

Collection Date: 4/23/2014 1:45:00 PM

Matrix: Wastewater

O		EMT	**************************************		* .	**************************************
Analyses	Result	Reporti Limit	9 Y1 .,		Date Analyze	d Batch Analyst
BOD, 5 Day, 20°C		Method:	SM5210 B			1
Biochemical Oxygen Demand	58.6	15.0	mg/L		4/24/14 13:59	R201063 KK1
Chemical Oxygen Demand '		Method:	HACH 8000			
Chemical Oxygen Demand	309	5.00	mg/L	٠.	4/24/14 11:00	R200909 LS3
Total Suspended Solids		Method:	SM2540D			
Suspended Solids (Residue, Non- Filterable)	52.0	15.0	mg/L		4/24/14 13:20	R200933 TB2

Qualifiers:

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Estimated

R - RPD outside accepted recovery limits

H - Holding Time Exceeded

J - Analyte detected below quantitation limits

environmental laboratory and testing services water soil air product waste





8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Lab Order:

14040695

Project:

VASTL John Cochran

Lab ID:

14040695-04

Client Sample ID: 002 Grab

Report Date: 4/30/2014

Collection Date: 4/23/2014 2:05:00 PM

Matrix: Wastewater

			1.200			
Analyses	Result	EMT Reporti Limit	S 77	Date Analyzed	Batch	Analyst
On-site pH by Ion Selective Electrode		Method:	SM4500-H			
рН	7.50		pH units	4/23/14 14:05	R20087	5 AR
Temperature Centigrade		Method:	SM2550-B			
Temperature	21.1	1.	°C	4/23/14 14:05	R20087	5 AR
Hexane Extractable Materials, (FOG)		Method:	E1664A			
Oil and Grease (HEM)	< 4.00	4.00	mg/Ļ	4/25/14 09:15	R201010	UR1
Phenolics		Method:	E420.1 REV.1978 BY	AQUACHEM		
Phenolics, Total Recoverable	0.0444	0.0100	mg/L	4/29/14 10:58	89378	JZ1

Qualifiers:

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Estimated

R - RPD outside accepted recovery limits

H - Holding Time Exceeded

J - Analyte detected below quantitation limits

environmental laboratory and testing services water soil air product waste





8100 North Austin • Morton Grove, IL 60053-3203 · 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT: Lab Order: St. Louis VA Medical Center

14040695

Project: Lab ID: VASTL John Cochran

14040695-03

Client Sample ID: 002 Composite

Report Date: 4/30/2014

Collection Date: 4/23/2014 2:00:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reporti Limit	¥1	Date Analyze	d Batch Analyst
BOD, 5 Day, 20°C		Method:	SM5210 B		
Biochemical Oxygen Demand	41.2	15.0	mg/L	4/24/14 13:59	R201063 KK1
Chemical Oxygen Demand		Method:	HACH 8000		
Chemical Oxygen Demand	183	5.00	mg/L	4/24/14 11:00	R200909 LS3
Total Suspended Solids		Method:	SM2540D		
Suspended Solids (Residue, Non- Filterable)	49.0	15.0	mg/L	4/24/14 13:20	R200933 TB2

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quanititation limits

environmental laboratory and testing services water soil air product waste



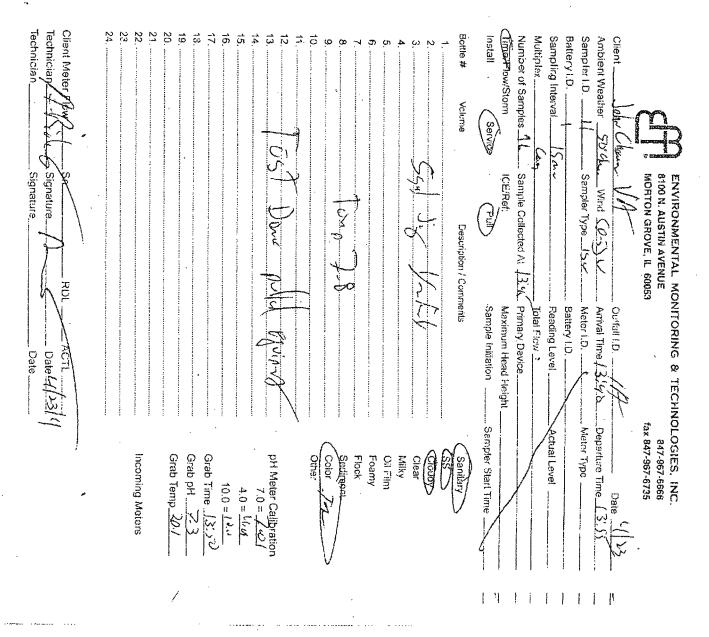
6

	eren eren	
â		
a H	P4 1	۰
San II		

#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL. 60053

fax 847-967-6735

Ambient Weather SGULL Wird 0 - 1 Arrival Time 13.40 Departure Time 15.50 Sampler I.D.	Client Jaw Grown XIX	Outfall I.DA	Date 4/22
Sampler I.D. Sampler Type See Meter I.D. Meter Type Battery I.D. Sampler Type See Meter I.D. Meter Type Battery I.D. Sampler Type See Medical Level Multiplex Corl Total Flow Number of Samples Sample Collected At Primary Device Tipper Flow/Storm GERRef: Maximum Head Height Install Service Pull Sample Initiation Sampler Start Time /3:49  Bottle # Volume Description / Comments Sanitary 1. SS 2. Soluted 3. Clear Milky 5. Dob Marul Horro Oli Film 6. Foamy 7. Flock 8. Sediment 9. Color 10. Other  11. 12. 13. PH Meter Calibration 7.0 = 14. 15. 4.0 = 15. 16. 10.0 = 17. 18. 19. 20. 31. 32. 41. 42. 43. 44. 45. 46. 47. 47. 48. 48. 49. 49. 40. 40. 40. 40. 40. 40. 40. 40. 40. 40		1	1 - 1 - 1
Battery I.D. Sampling Interval  Sampling Interval  Sample Color Multiplex  Col Multiplex  Col Total Flow Primary Device Timer Flow/Storm (CERRef: Maximum Head Height Millian Head Height		1	,
Sampling Interval 15 Reading Level Actival Level  Multiplex Corl Total Flow  Number of Samples Sample Collected At Primary Device Tipper Flow/Storm (GERFef: Maximum Head Height Interval Interv			
Multiplex Samples Sample Collected At Primary Device Timer Flow/Storm (CEPRet: Maximum Head Height 1981) Service Pull Sample Initiation Sampler Start Time (3.4)  Bottle # Volume Description / Comments Sanitary  1. SS Cloudy 2. Cloudy 3. Cloudy 4. Milky 5. Marin Collected Marin Collecte	10	•	Actual Level
Number of Samples   Sample Collected At   Primary Device   Time Flow/Storm   ICE/Ref:   Maximum Head Height   Sampler Start Time (3.4)     Institute   Service   Pull   Sample Initiation   Sampler Start Time (3.4)     Bottle # Volume   Description / Comments   Sanitary     1	1.	*	
Maximum Head Height   Service   Pull   Sample Initiation   Sampler Start Time (3.4)			
Service   Pull   Sample Initiation   Sampler Start Time ( 3 / 4	A CONTRACTOR OF THE PROPERTY O		
Bottle # Volume   Description / Comments   Sanitary			
1.			- Sumpler State Time Ligarity
2. Sloudy 3. Clear 4. Milky 5. Dab Mawul Hown Oil Film 6. Poamy 7. Flock 8. Sediment 9. Color 10. Other 11. 12. 13. PH Meter Calibration 7.0 =	Bottle # Volume Description	n / Comments	Sanitary
3. Clear 4. Milky 5. DDD Marul Arum 6. Poamy 7. Flock 8. Sediment 9. Color 10. Other 11. 12. 13. PH Meter Calibration 14. 7.0 = 15. 4.0 = 16. 17. Grab Time 18. Grab pH 19. Grab Temp 20. 21. Incoming Meters 23. 24. Client Meter Faw Signature Date 4D2 IV	1.,	·	SS
4.	2.		Cloudy
5.	3	·····	Clear
6. Foamy 7. Flock 8. Sediment 9. Color 10. Other 11	4.	$+ \subseteq$	Milky
7. Flock 8. Sediment 9. Color 10. Other 11	5. 700 / 1704	11 Moura	
8. Sediment 9. Color 10. Other  11	6V		· ·
9. Color 10. Other  11			•
10. Other  11		•	
11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 21. 22. Client Meter Edibration 7.0 =			
12. 13. 14. 15. 16. 17.0 = 16. 10.0 = 17. Grab Time 18. 19. 20. 21. 22. 21. 22. Client Meter Faw Sn RDL ACTT Technician Wide Signature Date 412214			Other
13.			• •
7.0 = 15.			nH Meter Calibration
15.	•	· · · · · · · · · · · · · · · · · · ·	•
16.			4.0 =
17.  18.  19.  20.  21.  22.  23.  24.  Client Meter Fay Sn RDL ACTT Date 4 22 14			6
18. Grab pH  20. Grab Temp  21. Incoming Meters  23. Signature Date 4/32/14	•	,	
19	and the second s		
21			
22. Incoming Meters 23. 24. Client Meter Faw Sn RDL ACTL Technician Lived Signature Date 4122114	20		Grab Temp
23. 24. Client Meter Faw Sn RDL ACTE Technician Live Signature Date 4/22/19	21		
Client Meter Faw Sn RDL ACTE  Technician Date 4122 114			Incoming Meters
Client Meter Faw Sn RDL ACTE  Technician Date 4/22/19			
Technician / Kicket Signature / Date 4/22/19	24	· · · · · · · · · · · · · · · · · · ·	
Technician / Kicket Signature / Date 4/22/19		•	•
Technician / Kicket Signature / Date 4/22/19	Client Meter France ( Sn	DDI	
		4.1.	10/
	Technician Signature Signature	Date Date	1 /





#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Client John Cross VA	Outfall I.D. 2A	Date 4/23
Ambient Weather 50°C/a Wind 10-50	Arrival Time 15:58	_Departure Time 1411
Sampler I.D. 28 Sampler Type 15:-		
Battery I.D.		)
Sampling Interval /5mz		Actual Level
Multiplex	. Total Flow	
Number of Samples 96 Sample Collected At 14,03	Primary Device	
Time/Plow/Storm ICE/Ref:	Maximum Head Height _	
Install Service Pull	Sample Initiation	
Bottle # Volume Description / Comm  1	3/4/	Milky Oil Film Foamy Flock Sediment
11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.		pH Meter Calibration 7.0 = 4.01 4.0 = 4.01 10.0 = 10.00  Grab Time 4/05  Grab pH 7.5  Grab Temp 2/1
22		Incoming Meters
Client Meter Flow Sn RDL Technician Signature Signature	Date 4/23	lry

® TECHNOLOGIES, INC. ENTRONMENTAL MONITORING &

St. Louis VA Medical Center

Company:

915 N. Grand Avenue St. Louis, MO 63106

Address: Confact

Michael F. Stogsdill

Chain of Custody Record

04/28/2014

Scheduled Sampling Date: 04/21/2014 Due Date: 04/28/2014

505729 # 000 Oxygen, Biological Demand (BOD) Oxygen, Chemical Demand (COD) 9. Volatiles by GC/MS, Wastewater Solids, Total Suspended (TSS) 8. Fats, Oils, & Grease (or HEM) 7. Semivolatiles by GC/MS 5. Temperature in C, Fleld pH, Field tested 4. Phenol, Total 4. Groundwater(Filter) 8100 North Austin Avehue Morton Grove, 1L 60053-3203 (847) 967-6666 FAX: (847) 967-6735 www.emi.com 12. Groundwater 3. HNO3 6. MeOH 9. NaZHSO4 G · Glass 3. Soil 5. Oil 2. Drinking Water 5. Wastewater V · VOC Vial 5. HCL 8. Na2S203 2. H2SO4 8. Solid 11. Wipe 13. Solid CONTAINER TYPE:
P-Plastic
V
B-Tedar Bag
0 PRESERVATIVE:
1. None
4. NaOH
7. Zn Ace
10. Other 7. Skidge 10. Chemical Waste 13. eProduct 15. Other SAMPLE TYPE: 1. Di Water

Proj. #:

P.O. #: 657Ç40072

Project/Location:

Sample I.D.

301 Composite

001 Composite

001 Grab

01 Grab 01 Grab 364 Greb.

(314) 372-6973

Phone:

Preservation Sampling Container

Field 15,54 7.3 <u>~</u> <u>2</u> 87,62 <u>~</u> Date Туре O တ 500 ml Size 1 liter 1 liter 1 liter 1 liter Type S S ഹ Composite Composite GRAB VASTL John Cochran

G O 500 ml 1 liter 1 liter 1 liter S 2 Composite Composite GRA8 GRAB GRAB GRAB

> 002 Composite 002 Composite

302 Grab

002 Grab

Received By: Received By: Time: / 9:/0 Date: 4-23

Time:

Date:

1.0 75.5

500

2/2

14,0

Time: Date: Relinquished By, Relingalished By

4/17/2014 10:16:52 AM

Page 1

ple: 1/28 14

Received By

Date:

Relinquished By:

Time: Date:

ime: 19:10

Time:

SPECIAL INSTRUCTIONS:

ENVIRONMENTAL

505729 4/17/2014 10:16:52 AM # 000 Scheduled Sampling Date: 04/21/2014 04/28/2014 2. Volatiles by GC/MS, Wastewater 1. Fats, Oils, & Greace (or HEM) Due Date: Preservation Field Klaß 3. Soil 6. Oll 9. Air 12. Groundwater 14. Groundwater(Fitter) 8100 North Austin Awruse Morton Grove, 1L 60053-3203 (847) 967-6666 FAX:(847) 967-6735 www.emt.com Chain of Custody Record 3. HNO3 6. MeOH 9. Na2HSO4 G-Gass H 15.05 Time 2. Drinking Water 5. Wastewater 8. Solid 11. Wipe 13. Solid Sampling 2. H2SO4 5. HCL 8. Na2S2O3 V - VOC Vial Jate: 4 23 # Date ime: /0:10 CONTAINER TYPE:
P-Pastic
V
B-Tedar Bag
O 4. Extract
7. Siudge
10. Chemical Waste
13. eProduct
15. Other Time: PRESERVATIVE: B, SAMPLE TYPE: 1. DI Water Time: Date: Date: Size Type No. 1. None 4. NaOH 7. Zn Aos 10. Other Container Received By: 19 Received By: Received By: 44 m ® TECHNOLOGIES, INC. Sample Type 'n St. Louis VA Medical Center MONITORING & Time: / 4:// GRAB Project /Location: VASTL John Cochran GRAB Date: 9 23 915 N. Grand Avenue Proj. #: St. Louis, MO 63106 Michael F. Stogsdill Time: Time: Date: Date: SPECIAL INSTRUCTIONS: (314) 372-6973 Sample I.D. P.O. #: 657C40072 Relinquished By: Relinquished By: Relinguished By Company: 302 Grab 992-Grab Contact: Address: Phone:

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

**IDENTIFYING INFORMATION** PART I:

1008-5459-00

Company Name: VA MEDICAL CENTER

Permit No; 1114046000-2

Effective Date: 02/01/2012

Expiration Date: 01/31/2017

and Tech mologice. I SUC.

Premise Address: 915 N. Grand Blvd, 63106

Monitoring Period:

M(JAN-MAR)

O(APR-JUNE)

D(JULY-SEPT)

Samples Collected By! ENVIRonment Monitoring Analyses Performed By:

Alalyses renomed by: vet	*						- 0	
PART II: ANALYTICAL RESULT	Miles of the Control	LFI	MONITORING	) 		4	002 Re	sample
MSD SAMPLE POINT REFERENCE NUMBERS	ф —		100		500	'	008	
DATES ON WHICH SAMPLES WERE COLLECTED	<u> </u>	1-	-21-14	1-	21-14	1	30-14	
TIMES AT WHICH SAMPLES WERE COLLECTED	\$	)	35 PM	L.	55 PM	1	800 10:15	
PARAMETER	LIMIT	RE	CORD SAMPLE T ( Gegrab, Cocon	YPES	(G. C. M OR E) Al M⇒mossured flow, E	ND RE	SULTS BELOW	UNITS
FLOW *			84K		25K			GPD
BOD		C	125			C	716	
COD		C	369	C	854	2	1,690	
Oil and Grease T		G	6-15	G	4.80	G	27.9	
Total PhenoLs		G	20.05	6	40.05	G	29.900	73
TSS		<	131			C	1,800	
PH		G	8.20	G	7.9	G	8.40	
Temp		G	21.91	G	15.3%	6	11.5%	
U								
estimate provided vir ac								
restinate provided our ac			,				11,000000000000000000000000000000000000	
			-					

You must complete and sign the certification statements on the second page.

#### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

--- NONE --

PART IV: GENERAL CERTIFICATION STATEMENTS

В	DISCHARGE MONITORING REPORT CERTIFICATION
	All permittees must sign and complete the information below:
	I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.  Print or type name of signing official:  **Michael** 57055017
	Frint or type name of signing official: 1. We was 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
	Thile: Pipe Shop Surekulson2 Telephone: 314-289-6450
	Print or type name of signing official: Michael Michael Stog50) 1  Title: Pipe Shop Surekurson Talephone: 314-289-6450  Signature: Michael Stogsdeld Date: 3-11-14

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name: John Cochran VA Medical Co	anter
Permit No:	
Premise Address: 915 North Grand E	Blvd. St. Louis, MO. 63106
Reporting Period: (JAN-MAR)	PR-JUNE)
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
Any (At)	(millicuries)
ar of the	7
	<u>'</u>
MOMENT & CONTINUE OF THE PROPERTY OF THE PROPE	
TOTAL ACTIVITY DISCHARGED:	Į
PART III: CERTIFICATION STATEMENTS	
Place your initials in the box under item	
Everyone must complete the information un	der items A & B and sign this report.
A. CERTIFICATION OF COMPLIANCE WITH STR	
	belief, all requirements of 10 CFR Part 20.2003 by release into samitary scwage for material on and the Missouri Department of Health, respec- by this report.
B. RADIOACTIVE MATERIALS DISCHARGE REPO	RT CERTIFICATION
I certify under penalty of law that this document a direction or supervision in accordance with a system properly gather and evaluate the information submit persons who manege the system, or those persons directly information submitted is, to the best of my known and the system of the best of my known and the system of the best of my known and the system of the best of my known and system of the system of	em designed to assure that qualified personnel ted. Based on my inquiry of the person or sectly responsible for gathering the information, whiledge and belief, true, accurate, and complete.
Print/type name of signing official:	Larry Chandler, MSRHS
Title: Radiation Safety Officer	Telephone: 314-289-6348
Signature: Dun Mand.	Date: 3/25/14
/5 / 5	/ radrpt.doc 2/00



8100 North Austin - Morton Grove, IL 60053-3203

847.967.6666 • 300.246.0663 • fax: 847.967.6735 • www.emt.com

CLIENT:

St. Louis VA Medical Center

Date: 2/6/2014

Project:

VASTL John Cochran

**CASE NARRATIVE** 

Lab Orders:

14010451 14010638

Unless other wise noted, analysis conducted according to the Methods specified in 40 CFR Part 136.

Unless otherwise noted, all method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Sample results relate only to the analytes of interest tested and to the sample received at the laboratory.

All results are reported on a wet weight basis, unless otherwise noted. Dry weight adjusted results, reporting limits, method detection limits and dilution factors are indicated by the notation "dry" in the Units column. If present, a dilution factor will adjust the method detection limits and reporting limits.

The test results contained in this report meet all of the requirements of NELAC. Accreditation by the State of Illinois or Wisconsin is not an endorsement or a guarantee of the validity of data generated. For specific information regarding EMT's scope of accreditation, please contact your EMT Project Manager.

The Reporting Limit listed on the Report of Laboratory Analysis is EMT's reporting limit for the analyte reported. For most test methods this reporting limit is primarily based upon the lowest point in the calibration curve. The Reporting Limit may not reflect the regulatory limit for the given analyte.

Analyst's initials of "OUT" indicate that the analyte was analyzed by a subcontracted laboratory.

#### Method References:

SW=USEPA, Test Methods for Evaluating Solid Waste, SW-846.

E=USEPA Methods for the Determination of Inorganic Substances in Environmental Samples; Methods for Chemical Analysis of Water and Wastes; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, 40 CFR Part 136, App A; methods for the Determination of Metals in Environmental Samples; Methods for the Determination of Organic Compounds in Drinking Water.

SM= APHA, Standard Methods for the Examination of Water and Wastewater.

D=ASTM, Annual Book of Standards

Batch numbers starting with a letter indicate an analytical batch while those that are exculsively numerals indicate a preparation batch.

environmental laboratory and testing services water soil air product waste





8100 North Austin • Morton Grove, IL 60053-3203

847.967.6666 * 800.246.0663 * fax: 847.967.6735 * www.cmt.com

CLIENT:

St. Louis VA Medical Center

Date: 2/6/2014

Project:

VASTL John Cochran

CASE NARRATIVE

Lab Orders:

14010451 14010638

14010451 Analytical Comments for METHOD 5210 BOD W, MB-R196874: The seed correction value of 0.39 is outside the lab control range of 0.6 to 1.0.

14010451 Analytical Comments for Method 5210_BOD_W, Outfall 002: Not enough sample to perform analysis due to breakage in transport. Corrective action issued and resample scheduled.

14010451 Analytical Comments for Method 2540D_TSS_W. Outfall 002: Not enough sample to perform analysis due to breakage in transport. Corrective action issued and resample scheduled.

14010638 Analytical Comments for METHOD 5210_BOD_W, MB-R197262: The blank recovery of 0.290 is above the laboratory control limit of 0.20.

14010638 Analytical Comments for METHOD 1664 FOG. W, LCS-R197277; LCS recovery was outside the laboratory control limit.

14010638 Analytical Comments for METHOD 1664_FOG_W, LCS-R197277-DUP: RPD recovery was above the laboratory control limit.

> environmental laboratory and testing services product waste soil air water





8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Lab Order: 140

14010451

Project:

VASTL John Cochran

Lab ID:

14010451-02

Client Sample ID: 001 Grab

Report Date: 2/6/2014

Collection Date: 1/21/2014 1:35:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reportin Limit		Date Analyze	d Batch A	<b>Lnalyst</b>
On-site pH by Ion Selective Electrode		Method:	SM4500-H			
PH	8.20		pH units	1/21/14 13:35	R196661	AR
Tomporature Centigrade		Method:	SM2550-B			
Temperature	19.1	1.	•c	1/21/14 13:35	R196661	AR
Hexane Extractable Materials, (FOG)		Method:	E1664A			
Oil and Grease (HEM)	6.15	4.00	mg/L	1/24/14 10:00	R196882	TB2
Phenolics		Method:	E420.1 REV.1978 BY	'AQUACHEM		
Phenolics, Total Recoverable	< 0.05	0.05	mg/L	1/24/14 15:27	87320	JZ1

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Hokling Timo Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte (lowested below quantitation limits

environmental laboratory and testing services water soil air product waste



5



8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Lab Order:

14010451

Project: Lab ID:

VASTL John Cochran

14010451-01

Client Sample ID: 001 Composite

Report Date: 2/6/2014

Collection Date: 1/21/2014 1:40:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reporti Limit	ng	Date Annivzed	Batch Analyst
***************************************		Limit			
BOD, 5 Day, 20°C		Method:	SM5210 B		
Blochemical Oxygen Demand	125	15.0	mg/L	1/22/14 15:13	R196874 SL1
Chemical Oxygen Demand		Method:	HACH 8000		
Chemical Oxygen Demand	369	5.00	mg/L	1/23/14 09:00	R196734 LS3
Total Suspended Solids		Method:	SM2540D		
Suspended Sollds (Residue, Non- Fillerable)	131	15.0	mg/L	1/23/14 14:00	R196774 TB2

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Extimated

II - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services air product water soil waste





8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 - fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

14010451

Lab Order:

Project: Lab ID: VASTL John Cochran

14010451-04

Client Sample ID: 002 Grab

Report Date: 2/6/2014

Collection Date: 1/21/2014 1:55:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reportir Limit	ig . Units	Date Analyzed	Batch .	Analyst
On-site pH by Ion Selective Electrode		Method:	SM4500-H			
рН	7.90		pH units	1/21/14 13:55	R196661	AR
Temperature Centigrado		Method:	SM2550-B			
Temperature	15.3	1.	°C	1/21/14 13:55	R196661	AR
Hoxano Extractable Materials, (FOG)		Method:	E1664A			
Oil and Grease (HEM)	4.80	4.00	mg/L	1/24/14 10:00	R196882	TB2
Phenolics		Method:	E420.1 REV.1978 BY	AQUACHEM		
Phenolics, Total Recoverable	< 0.05	0.05	mg/L	1/24/14 15:27	67320	JZ1

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services product water soil air I waste



8100 North Austin - Morton Grove, IL 60053-3203 847,967,6666 - 800,246,0663 - fax: 847,967,6735 - www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Lab Order:

14010451

Project: Lab ID: VASTL John Cochran

14010451-03

Client Sample ID: 002 Composite

Report Date: 2/6/2014

Collection Date: 1/21/2014 2:00:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reporti Limit	ng vi	Date Analyzed Batch Analyst
Chemical Oxygen Demand	-770-CD7401-1000-1000-10	Method:	HACH 8000	
Chemical Oxygen Demand	854	5.00	mg/L	1/23/14 09:00 R196734 LS3

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

I - Analyte detected below quantitiation limits

environmental laboratory and testing services air product waste soil water

6



8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

Lab ID:

St. Louis VA Medical Center

14010638

14010638-02

Lab Order:

Project: VASTL John Cochran Resample Client Sample ID: 002 Grab

Report Date: 2/6/2014

Collection Date: 1/30/2014 10:15:00 AM

Matrix: Wastewater

Anulyses	Result	EMT Reportii Limit	ng Units	Date Analyzed	Batch	Analyst
On-site pH by Ion Selective Electrode		Method:	SM4500-H			
На	8.40		pH units	1/90/14 10:15	R197014	AR
Temperature Centigrade		Method:	SM2550-B			
Temperature	11.5	1.	· °C	1/30/14 10:15	R197014	AR
Hexane Extractable Materials, (FOG)		Method:	E1664A			
Oil and Grease (HEM)	27.9	4.00	mg/L	2/4/14 09:00	R197277	UR1
Phenolics		Method:	E420.1 REV.1978 BY	AQUACHEM .		
Phenolics, Total Recoverable	0.073	0.01	mg/L	2/5/14 13:58	87545	JZ1

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services product waste soil air | water





8100 North Austin * Morton Grove, IL 60053-3203 847.967.6666 * 800.246.0663 * fax: 847.967.6735 * www.emt.com

#### Report of Laboratory Analysis

CLIENT: Lab Order: St. Louis VA Medical Center

14010638

Project: Lab ID:

VASTL John Cochran Resample

14010638-01

Client Sample ID: 002 Composite

Report Date: 2/6/2014

Collection Date: 1/30/2014 10:10:00 AM

Matrix: Wastewater

Analyses	En Repo Result Li		ng	Date Analyzed Batch Analyst	
BOD, 5 Day, 20°C		Method:	SM5210 B		
Biochemical Oxygen Demand	716	15.0	mg/L	1/31/14 12:44	R197262 KK1
Chemical Oxygen Demand		Method:	HACH 8000		
Chemical Oxygen Demand	1,690	10.0	mg/L	1/31/14 10:50	R197070 LS3
Total Suspended Solids		Method:	SM2540D		
Suspended Sollds (Residue, Non- Fillerable)	1,800	15.0	mg/L	1/31/14 10:00	R197117 TB2

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services air product waste soil water

8

SPECIAL INSTRUCTIONS:

pH41 7.00-7.03

1/17/2014 9:06:43 AM

Page I

# Chain of Custody Record

Due Dale:

Scheduled Sampling Date: 01/20/2014 01/27/2014

	-	Personal proposition of the second				000000000000000000000000000000000000000	000000000000000000000000000000000000000		National State of the last of								•	)	-	てくていくと
8100 North Austin Avenue Morton Grove, IL 60053-3203	Grove, IL	60053-32	03 (347) 967-6666	967-		FAN: (847) 967-6735 WWW.Enil.com	967-6735	JJ.K.R.K	nii. com								6	COC #	₩	70000
Company: St. Louis VA Medical Center	CI		RFAN YO'S	K.14	Ξ	2. Držikk <b>o</b> Walei	) Jel 1	<u>ج</u> 3			1			Analysis	ysis				_	- Approximately
Contact: Michael F. Stogsdill			4. Extract	-		5. Wastewater	υχ	6. O.					בישהלים							
			, sludge	֓֓֓֓֟֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֓֓֓֡֓֡֓֡֓֡				G 5				Caygon, on	provide operation (poor)	00000	1000	!	1	!		
Address: 915 N. Grand Avenue			10. Chemical Wash			School Section		14. Groundwater(Filter)	AZZE FI		3	Oxygen, Ci	Chemical Demand (COD)	Оетып	(00)	:	ł			
St. Louis, MO 63106			reyeo '51	-								Phenol, Total	<u> 77</u>				i		 !	
			CONTAINER TYPE	NER		A-MOCAPA		0 - 0'ass			n pr	Temperature in C, hield	6 <u>8</u> 8 5	, Q		1		ı	1 "	- SACALA
_			B · Tesslar Bag	9		0-Other								73.60					7	7,57,79
			PRESERVATIVE	RVA								Set in a Complete			2					ENGLES OF STREET
P.O. #: 657C40072 Proj. #:			- T			S HO OF		HOW I				Valesting to COMP Wards and					;	1		
			7. Zn 600	ю -		1. Hazszos		9. K32HSQ4	X		S. Vo	Volables by	by GCINS, Wasterns.or	5, 1% BS1	zo:ewa	;			, Name	1940 BY
Project /Location: VASTL John Cochran			10 OF 20	'			-			L										
8	Sample	Con	Container	_		Sampling	gni	-	Preservation	ation	1	,	:	į					忊	
Sample I.D.	Type	Size	Type !	8	Βγ	Dale	Time	PH F	Field	(de)	1. 2.	دي	4	Ç'n	G	7.	,00	9	+-	Lab Sample I.D.
001 Composite Composite	ۍ پ	1 liter	ە"		O	<u>-</u>	びる			<b></b>							-	-	-	G(A
001 Composite carposite	Ç	500 ml	σ		وا	¥	is us		2							_	-	-	$\vdash$	013
001 Grab GRAB	Ú)	1 liker	ဂ		<u></u>	7	1326		2		_	-	<u> </u>				├	-	$\vdash$	4
001 Grab GRAB	45	1 liter	ဝ	~	7	الاا	1385	(8)									L	<u> </u>	$\vdash$	0215
001 Grab GRAB	¢n	1 liter	ဂ	_=	2	Ē	ĬŽ,		£n									_	$\vdash$	1780
001 Grab GRAB	OT.	# E	<	ம					55								-	1	1	
002 Composite Corposite	٠,	1 liler	٦		2		נגאו		_											034
002 Composite Composite	5	500 ml	О		3		K 9		~	$\dashv$		-								038
002 Grab GRAB	5	1 liler	6		7		25		2		$\dashv$	$\dashv$								OYA
002 Grab GRAB	UI UI	1 lîter	G	2	3	141	1355	7.4	<b>^</b>											g. 0
Relinquished By: Dete: 1 1 (4)		Received By:		Ö	Dale:	£ 1000000000000000000000000000000000000		-	m	EMT USE	SEC	ONLY					A AME	N 31c		SAMPLE RECEIVED ON ICE
/_\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \				∄	Time:			Ē	<	VASTI						Ø		Ties he recommed i		Contracts one
Relinquished By: Dale: -		Received By:		D	Date:	,	Clien	Client Contact:		Nathan Fey	ર્શ						Mas g	was greater that	han 6	was greater than 6 hrs.prior to
Time:				=	Time:		EMI	EMT Project ID:	1	VASIL John Cochran	of the C	och a				Г				Name of the second state o
Relinquished By: Date:	Rece	Received By:		9	Bale: ( )	51 K	Jar Lol No	No.										2	Ť	
Time	<b>,</b>		ν		me: 7	Time: 7.3: / 0:												_		

MSD 043166

Relinquished By:

Date:

Received By

Clienut: Client Contact:

Time: 22 (0)

Remouished By

Dale: 1 2/14

Received By:

SPECIAL INSTRUCTIONS:

Relinquished By:

Date:

Received By:

Date: 121 161

Jar Lot No. EMT Project ID:

VASTL John Cochran

Nathan Fey VASTL

EMT USE ONLY

TEMPERATURE

(Must be recorded if sampling was greater than 8 hrs prior to sample receipt)

(

1/17/2014 9:06:45 AM

Time: 24: (C

Time Date: Time: Date:

Time

Time:

11 P.O. 8: 657C40072 002 Grab 002 Grab Company: Project/Location: Address: Contacts Phone ® TECHNOLOGIES, INC. MONITORING & ENVIRONMENTAL 8100 North Austin Avenue Marton Grove, IL 60053-3203 (841) 967-6666 (314) 372-6973 915 N. Grand Avenue Michael F. Stogsdill St. Louis VA Medical Center St. Louis. MO 63106 Sample I.D VASTL John Cochran P(0). #: GRAB **GAAB** Sample Type Ġ 44 m) 1 liter Size Container G Type SAMPLE TYPE: 1. NaOH 1. Zn Ace 10. Offer 7. Skoty# 10. Chemical Waste 11. echoduct CONTAINER TYPE: P-Pasic PRESERVATIVE: 8 - Yedlay Bag 15 ONE 4. Ervaci Chain of Custody Record 20 9 89 FAX: (817) 967-6735 WWW.emecon 5. HCL 1121 4 1353 O . Other A- AOC ATE 11. Viipe Dale 2 H2SQ4 8. Sch 5. Washaza 2 Drirking Vyales Sampling Time 3. HKQ3 8. LleOH 9. KaZHSQ4 9 2 3 2 2 3 3 2 4 G-Glass P 14 Ground's Elet(File) 12 GOVERNMEN Field Preservation Ü lab Scheduled Sampling Date: 01/20/2014 Due Da(e: 1. Fats, Oils, & Greasse (or HEM) Volu 365 by GCMIS, Wastewater 2 A Analysis 5. 01/27/2014 o. S-SAMPLE RECEIVED ON ICE COC # æ 50 G:1440363 EMT USE ONLY Lab Sample I.D. EMT WORKORDER

040

Hap45

505521

## Monitoring & Technologies, Inc.

	Sample	Rec	elpt C	hecklist				
				Date and Tim	e Received	9.00	1/21/2014	
1010451				Received by:	SA1	, 0 4		
Suffle	1/22	114		Reviewed by	Initials		Date	
	Carrier name:	AR						
er in good condition?		Yes	7	No · 1	Not Present			
shippning container/coole	<i>i</i> ?	Yes		No!	Not Present	~		
sample boltles?		Yes		No!i	Not Present	V		
t and complete?		Yes	V	No ·				
whan relinquished and re	enlved?	Yes		No !				
with sample labels?		Yes	<b>V</b>	No '				
indr/bottle?		Yes	[	No 🗸				
17		Yes	(v	No !				
c for indicated lest?		Yes		No !				
hin holding time?	·	Yes	Š	No ]				
emparature in compliance	?	Yes	V	No · İ				
zero hoodspaca?	No VOA vials subm	illed	V	Yes .	No			
pon receipt?		Yes	$\mathbf{Z}_{i}$	No I				
,	\djusted?			Checked by				

applicable) response must be detailed in the comments section below.

small whole in container. Sample leaked out while in transit to lab. Have to resumple at later date.

12

Frate contacted:

Person contacted

			3
\$100 North Austin Avenue Morton Grove, IL	* TECHNOLOGIES, INC.	MONITORING &	ENVIRONMENTAL

# Chain of Custody Record

Scheduled Sampling Date: 01/22/2014
Due Date: 01/29/2014

8100 North Austin Avenue Norson Grove, IL 60053-3203 (847) 967-6666 FAX:(847) 967-6715 www.ems.com	847) 967-6666 F	FAX:(847) 967-6	735 HHYLEMLE	CAVO.			COC #	505523
SA 1.1	E LABE:	2. Orinting '//2364	3. Sod		Ana	Analysis		le de la companya de la companya de la companya de la companya de la companya de la companya de la companya de
~	4. Edna 7. Strke	5. IVENEZHI	e 6		Solids, I of all Suspended (ISS)	(188)		n .
4 50 3	A Waste	II. Nipe	12 Groundwater	ن الا	Oxygen, Chemical Demand (COO)	and (COOD)		
15.1	15 OFFEE	Ş	in Chainedalatean		Phenol Total		1	
8 4 B	CONTAINER TYPE: P-Place B-Teday Real	A - AOC AM	ଦ ପ୍ରଷ୍ଟ	65 G5	Temperature in C, Field pH, Field tested	!		EMT USE ONLY
PA -	Ä			7. 1	Seminolatiles by GCALS			
1.7		2. H2SO4	J. HAOJ	Do	Fats, Ols, & Grease (or HEM)	Ė		WORKORDER
7.2		\$. 11 ₈ 25'200	B. HEZHSON		8. Volatiles by GCAIS, Wasterrater	lenate!		1401.06
Contai	500	Samoliova	Prat	Dies experience				
Type Size Type	No. By	Dale Time	뢰	Field Lab 1.	2 3 4 5	6. 7. 8	9 10	A Sameda ( D
5 (filer P	N	01:01		<	X			, H.C.
5 500 ml P	200	1/30 10:10	0 2		X			(S)
5 1 liter G	 ?>>	1,139 10:15	\ 2	edide Vidio Cyclic	X			78
5 litter G	2 22	7.01	20.00	94.33 (	X	XX	3	76
5 1 liter G	70	Joint   Co.	5	ыў ва 1377, 1340,		X	<u>,                                    </u>	シグ
5 44 ml V	00	11	5				X	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
							; .	
				€12 / 18 : 7				1
				10 m			wi. i	er er er
				eigh L				
Received By:	Date:	,	, , ,	EMI USE ONLY			APLE RECE	/ED ON I
	Time:	] 		VACT			TEMPERATURE	
Received By:	Date	Clie	ntact:	Naihan Fey		W.C.	Was greater than 6 hrs.prior to	
artificial descriptions and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Time:	: : EM	EMT Project ID:	VASTL John Cochren	Cocturen	30	selliple (excipt)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Received By:	Date: (	30 A Jar	Jar Lot No.					
Dans Whi	Time: 5:3:	E				•		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	-	•					ושטו	1/22/2014 2:17:19 PM
		<u>ب</u>	))) _	J 0	9			Page 1
				ŕ				
		P/3 (4)	0/1 cm/ F.1	p/3 cm/ F.00 -	0/1 cm/ F.UU - 7.0.	0/1 cm/ FUU - 1.02	0/1 cm/ FUU - 1.00	8) CA - 1.02

77 /81 #

13142896569

10:913144368753

03-70-14;14:30 ;From:

#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

client ASTL John Coch	Outfall I.D. Ool GVL Date 1/20/19
Ambient Weather 18° Ur Wind (0-1) 6	
Sampler I.D. 30 Sampler Type 1540	. Meter I.D Meter Type
Battery I.D	Battery I.D.
Sampling Interval 30 mi	Reading LevelActual Level
	Total Flow
Number of Samples Sample Collected At	
Time/Plow/Storm (CE/Ref:	Maximum Head Height
install Service Pull	Sample Initiation Sampler Start Time
Mistali Service Lan	
Bottle # Volume Description / Com	ments Sanitary
1.	\SS
3. 900b MAN-A SAP	Clègr
4.	Milky
5	Oil Eilm \
6.	
7.	Close
8.	Carlingant
- ··	Color
9	
10.	
11.	
12.	
13	
14.	
15,	
16.	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
17.	
18.	
19.	
20.	•
21.	INAMINA MIDIENS
22,	TO MATERIAL CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTOR OF THE SECOND CONTRACTO
23.	
24.	DHATTI COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR
Client Motor Flow 0 / Sn. RI	OI ACTL. 4
Client Meter 1994	Date 1/20/14
Technician / J - Nava Signature for	
TechnicianSignature'	Date



Ambient Weather 10° Class Wind 5-0 MW Sampler I.D. 30 Sampler Type 150 Battery I.D. 4 Sampling Interval 32 aux Multiplex Comp Number of Samples 48 Sample Collected At 3140 Ime/Flow/Storm ICE/Ref:	Outfall I.D. Ool Ecc. Date //2//y  Arrival Time /3:3D Departure Time /3:4  Meter I.D. Meter Type  Battery I.D. Actual Level  Total Flow  Primary Device  Maximum Head Height  Sample Initiation Sampler Start Time
7000	Cloudy Clear Milky Oil Film Foamy Flock Sediment Color Other
12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	pH Meter Calibration $7.0 = 7.03$ $4.0 = 4.03$ $10.0 = 10.0$ Grab Time $13'35$ Grab pH $8.2$ Grab Temp $141$ Incoming Meters
Client Meter Flow Sp. Sp. RDL Technician Signature Signature Signature	ACTL



client VASTL Joh-	Cochan	Outfall I.D. DO2 EV	Date 1/20/19
Ambient Weather 46°Clvara		Arrival Time 13 45	_Departure Time13/55
Sampler I.DS	ampler Type 1560	Meter I.D.	•
Battery I.D	allipio, typo	**	* '
Sampling Interval 30miv		Reading Level	_ Actual Level
MultiplexCo-v2		_ Total Flow	
Number of Samples S	ample Collected At	Primary Device	
	EARef:	Maximum Head Height	1
Înstal Service	Pull	Sample Initiation	_ Sampler Start Time13/50
2 44 4 Maluma	Description / Com	ments	Sanitary
Bottle # Volume	•		SS
1			Cloudy
2			Clear
3	OS MANI SAMOR		Milkx
5			Oil Film
6,			Foamy
7.			Flock
8, 27277777777777			Sediment
9			Color
10.			Other
11, version a manufacturary manifestation in the second			
12.			
13, малинической полительной п	hire parabetory of work (Shatpass ess and paperty) tray, and bunk is be essentially	**************************************	pH Meter Calibration 7.0 =
14,			4.0 =
15			10.0=
16.			
17.	***************************************	**************************************	
18.			Grab pH
19,			Grab Temp
20,			•
21			Incoming Meters
22			•
24			
On 114 4 Plane	0 01	ACTL	
Technician A-Nous	\$ignature	Date 1/20	[//4
Technician	Signature	Date	16



Client 1/ASTL J	Ohr Cochen	Outfall I.D	vc Date / /3///
Ambient Weather 10 Clour			
7 (1	Sampler Type 15/w		•
Battery I.D		Battery I.D.	1410101 13100
Sampling Interval 30		Reading Level	Actual Level
Multiplex		Total Flow	
Number of Samples 48			
1	ICE/Ref:	Maximum Head Height	1
Install Service	Pull	Sample Initiation	
Bottle # Volume	Description / Comm	nents	Sanitary
1.			SS
2,		***************************************	Cloudy
3			Clear
4,	**************************************		Milky
5, ,			Oil Film
7. женинимининининининининининин	T-1 413	CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTRO	Foamy Flock
8			Sediment
9.			Color TA
10. Tost Don-		6	Other
11.	,		
12.	m3 mg . m d n n n n m h f a m d a f a f Manet 2 f a d a h f a d a f f f a d a f f f a d a f a f a		
13.	hadikan sida dada da	of left) filety that we recurred our succession with the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the files of the	pH Meter Calibration <b>≇</b> .0 = <u>2-03</u>
14			
15		V	$4.0 = \frac{Q_c O}{10.01}$
16			10.0 = 10.01
17,			Grab Time 13:55
18 19. aaaaaaaaa			Grab pH
20,			Grab Temp_15.3
21. JAME SNOVENIL	BUCNET		Incoming Meters
23. (not inach to Ex	gust Ak		-
24. Lung			
Client Meter Flow	SnRDL	ACTL	,
,	Signature: A	Date _/ / <u>&gt; / / / /</u>	-/
Technician	Signature	Date	47



Client John Com	VA	Outfall I.D. (2) 500 Arrival Time 7:55	
Sampler I.D3			_ Meter Type
Battery I.D		Battery I.D.	
		Reading Level	
Multiplex Cu,	1	Total Flow	•
	Sample Collected At 10:10		
Time/Flow/Storm	CE/Ref:	Maximum Head Height	•
Mostal Service	Pull	Sample Initiation	_ Sampler Start Time
3.	Description / Comr		Cloudy
6	GUD MA	1	Oil Film
• •			Sediment
	ANTIDATED		Color
<del>-</del>	HERE(#1		Othor
	-ppp -color -colorodato estado estado estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada estada		
	ALIENTINE CONTRACTOR OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA		
			. 40=
			10.0 =
	word and the state state strategy and a second of the state strategy and a second state state strategy and the state sta		
	\$47.448.548.5817.79711	1	\
	da (#152481.1611.1617.1777.441.1864.1864.1771.1777.7777.1) - 61.431(#1.41777.1777.1774.1784.		Grab pH
	aldress property of the State Sta		Grab Temp
Client Meter Flow Technician	_SnRD	DL ACTL Date 2 /29	Īvy
Technician	Signature	Date	_ / 



## ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 847-967-6666

8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

fax 847-967-6735

Client John Code VA	Outfall I.D. Oo Z Euc Date 1/3:/K
	Arrival Time 10:35
47	Meter I.D Meter Type
	Battery I.D.
Sampling Interval 30 ^~	Reading Level Actual Level
	Total Flow
Number of Samples 40 Sample Collected At 10.10	Primary Device
Time/Flow/Storm ICE/Ref:	Maximum Head Height
Install Service Pull	Sample Initiation Sampler Start Time
Bottle # Volume Description / Comr	SS
3.	Milky Oil Film Foamy Elock
8.	Other
12.	$4.0 = \frac{7}{4} \frac{1}{4}
22. 23. 24.  Client Meter Flow Sn RD  Technician Signature	
Technician Signature :	Date

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL FACILITY <u>INSPECTION</u> REPORT

Company: VA Medical Center		Acc	ount #:100854590	00
Premise Address: 915 N. Grand Boulevard		Zip	Code: 63106	
		urcharge 🗌	Non-Toxic Process W	ater/Wastes
Toxics-Bearing Waste 🔀 💮 No Process Dis	charge 🔙	Multi-User [	Special Ha	ndling/Billing 🗌
Company Representative: Mike Stogsdill				
Title: Pipe Fitter		Phone	t: <u>314-289-6450</u>	***************************************
Inspector: Dave Kupke				
Others Present: None				
Inspection Date: 2/18/14 Time: From 08:54	<u>AM</u> To <u>10</u>	D:58 AM	(Last Insp. 10)	/30/12)
NOTE: ALL ITEMS ARE TO BE COMPLETED BASED ON EVENTS SINCE L PROVIDED BY COMPANY DURING INSPECTION, AS WELL AS INF			BASED ON INFORMATI	ON OBTAINED OR
PROVIDED BY CONTAINS DORING INSPECTION, AS WELL AS INF	OKIVIATION III	4 FILE.		
*** DATABASE ALSO UPDATED WITH APPROP	RIATE CHANG	GES - see attached	database reports ***	:
1. A. ARE THERE ADDITIONAL NON-STORMWATER ACC	OUNT NUMB	ERS?		Yes□ No⊠
List them, note any changes:				
B. Did all acct no's have water usage on PIMS?				Yes⊠ No□
C. If no to B, explain:				
2. PROCESSES & CLEANUP/WASHDOWN:	Cont/	Water/Liquids	Fraguenau	
2. PROCESSES & CLEANUP/ WASHDOWN.	Batch?	Used?	Frequency of DISCHARGE	Sample pt.
Hospital Waste	Cont	Yes	daily	SP001, SP002
Lab waste	Batch	Yes	daily	SP001, SP002
Boiler blowdown, Non contact cooling water-autoclaves	Batch	Yes	daily	SP001, 3P002
Cooling tower blowdown	Batch	Yes	daily	SP001, SP002
Kitchen waste	Batch	Yes	daily	SP001, 3P002
Regeneration/Reject water	Batch	Yes	daily	SP001
negeneration/neject water	Daten	103	dairy	3/001
3. PRETREATMENT (other than grease traps) - describe:				Sample pt.
pH adjustment/Neutralization	(0000000000000000000000000000000000000			SP001, SP002
				3, 332, 3, 302
<del></del>				
4. DOES COMPANY HAVE ANY GREASE TRAPS?				Yes⊠ No□
If yes: A. List sample points: <u>SP001</u>				
B. What is the frequency for cleaning & maintenance	e? <u>2 times</u>	<u>yearly</u>		
C. Are any additives used in traps?				Yes□ No⊠
D. If yes to C, was company warned MSD will bill them for				Yes⊠ No□
E. Was company informed that MSD performs separate gr	ease trap insp	ections?		Yes⊠ No□
				[] []
5. HAS COMPANY CONSTRUCTED NEW BLDGS/ADDITIONS		RS SINCE LAST INSP		Yes No
If yes: A. Ask company: Did they notify MSD's Plan Review g			Unknown	
<ul> <li>B. If no or unknown, has inspector notified Plan Revie</li> <li>C. Comments:</li> </ul>	aw group:			Yes No
C. Comments.				
6. HAS COMPANY BEGUN DISCHARGING ANY NEW POLLU	TANTS SINCE	THE LAST INSPECTI	ON?	Yes□ No⊠
If yes: A. List pollutants & process:			<del>~</del>	.03[] 140[]
B. Will MSD STP exceed existing NPDES discharge lim	it(s)?			Yes No
C. Will MSD STP's discharge exceed 0.1 mg/l for any i		t?		Yes No
(MSD must notify MDNR if B or C is yes and discha	rge will conti	inue [40CFR122.42(	b)].)	
D. Comments:				

1

Inspection report

(9/1/13)

MSD 043176

7.	ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS?	Yes⊠ No□
If yes:	A. List regulation & describe (including any discharge):	
	40 CFR 460 N/A- (No Stds)- The hospital waste comprises of service regarding patient care such as lab	waste andother
	hospital services.	, g
	B. Is maximum daily categorical discharge ≤ 100 GPD? (includes batch discharges)	Yes□ No⊠
If yes t		
	D. Does company ever discharge untreated, concentrated categorical wastewater?	Yes No
	E. Was company in SNC during <u>any</u> part of the previous <b>24</b> months?	Yes No
	F. Date of last NSCIU Certification Statement: or not currently NSCIU	la a se NGCUA)
	(If no to B, yes to D or E, or Cert. Statement not submitted as required, company is not eligible to	be an NSCIU)
8.	HAS COMPANY CERTIFIED TO THE ABSENCE OF SPECIFIC CATEGORICAL POLLUTANTS?	Yes□ No⊠
o. If yes:	A. Certification date:	ies INO
ii yes.	B. List absent pollutants:	
	C. Were all these pollutants non-detect in all monitoring since certification was approved?	Yes No
	(If compared to intake water levels, explain details below)	163[140[
	If no to C: D. Explain:	
	E. Comments:	
9.	DOES CATEGORICAL WASTEWATER COMBINE WITH NON-CATEGORICAL WW PRIOR TO SAMPLING?	Yes□ No⊠
If yes:	A. At which points?	
·	B. Current applied factor: Is it correct?	Yes No
	C. If no, list correct factor/explain?	Annual Annual
10.	IS ANY WASTEWATER SUBJECT TO PRODUCTION 🗌 OR MASS 🗌 BASED STANDARDS?	Yes□ No⊠
If yes:	A. At which points?	
	B. Since calculation of the current limits, has the long term avg production rate or discharge volume	Yes No
	changed by 20% or more?	
	C. If yes to B, explain:	
		gentung process
11.	ARE ANY RADIOACTIVE MATERIALS HANDLED?	Yes⊠ No□
If yes:		
	may get into the sewer system through excretia which is allo	~
	Ordinance. There are no other radioactive sources that are used on one of the company have MSD authorization for disposal to sewer?  NA	<u>rampus.</u> ☐ Yes⊠ No☐
	C. Most recent authorization date: 5/1/97	res [ No [
	D. Amount discharged in most recent complete calendar year: 0	
	b. Amount discharged in most recent complete calendar year.	
12.	DOES COMPANY GENERATE WASTES/WASTEWATER BY GENETIC ENGINEERING RESEARCH?	Yes□ No⊠
If yes:	A. Does company render wastes/wastewater innocuous?	Yes No
., ,	B. If yes, describe how:	,e310
		Yes No
	D. Most recent authorization date:	
13.	DOES PROCESS or P&E WASHDOWN WATER USE APPEAR EXCESSIVE?	Yes□ No⊠
	(IS COMPANY USING DILUTION TO MEET DISCHARGE LIMITATIONS?)	Total Canada
	A. Explain how use was verified & any needed changes:	
	Tour of the facility revealed no excessive water usages. Note that a signficant portion of their hospital	waste is through
	patients (Sanitary) or patient services such as laboratory, dietary (kitchen waste). The other commercial	al usages comes
	from its cage washdown for laboratory animal research (lab waste), and plant operations Cooling tower	rs and boilers.
		577
14.	BASED ON OBSERVATIONS DURING INSPECTION, DOES COMPANY APPEAR TO HAVE SOME WATER THAT IS	Yes⊠ No□
16	NOT DISCHARGED TO SEWER?	
If yes:	A. Describe: Evaporative loss cooling tower and boiler system VA Med Center has a 0.66 RF,	Van Nation
	B. Was "Return Factor Program" brochure given to company?  (regardless of whether some water is not discharged to sewer)	Yes⊠ No□
	(regardiess of whether some water is not districtive to sewer)	

Inspection report

2

(9/1/13)

15.	HAS COMPANY BEEN GRANTED A VARIANCE FROM DISCHARGE LIMITATIONS CONTAINED IN THE SEWER Yes No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Section No Secti								
If yes:	A. Pollutant(s)								
	B. Latest appro			c old?		Yes No			
	• •	new variance m	•		re company)	res No			
	( ) 25 25 3, 4	The Wallande III.	aot bo , cqaco	<u> </u>					
16.	HAVE ANY NUMER CONTAINED IN TH			IED TO CO	DMPANY, IN ADDITION TO THOSE ALREADY	Yes□ No⊠			
If yes:	A. Pollutant(s)			_					
	B. Date original	ly applied:	, or as part	t of variar	nce above? 🔛				
17.	HAS COMPANY EXCEEDED ORDINANCE DISCHARGE LIMITS SINCE LAST INSPECTION  OR WITHIN THE LAST 12 MONTHS (if last insp < 12 months ago)?								
If yes:	A.	(31 12 14/0141113 (	Sample		lem resolved?				
	Pollutant	When	Points	Y/N	Describe				
				N/A					
				N/A					
				N/A					
				N/A					
				N/A					
	B. Comments:	***************************************							
18.	HAS COMPANY EX					A⊠ Yes□ No□			
If yes:	Α.		Sample	-	lem resolved?				
•	Pollutant	When	Points	Y/N	Describe				
				N/A					
				N/A					
				N/A					
				N/A					
				N/A					
	B. Comments:								
19. If yes:	HAVE THERE BEEN A. Upsets?	ANY PROBLEM D				Yes□ No⊠			
	Spills?	-	scharges? 🔲		Other?				
	B. Explain any r	narked:							
20.	COULD SPILLS OR I				RAGE TANKS, OR STORED WASTES, OR STORED	Yes□ No⊠			
If yes:	A. What needs								
If no:	B. How are they								
					r their water treatment chemicals ( they no longe				
					r their cooling tower employ catch basins. All lab	oratory solvents			
	and chemcia	are stored in the	appropriate	<u>cabinets.</u>					
21.	BASED ON OBSERV	ATIONS DURING	INSPECTION	ARE THE	RE ANY AREAS WHERE COMPANY ACTIVITIES	Yes□ No⊠			
	APPEAR TO IMPAIR				DETAIL THE COMMENT ACTIVITIES	163 NO			
If yes:	A. Describe:								
•	B. What needs	to be done?							
		ormwater Discha	_	-	o company?	Yes⊠ No□			
	( <u>regardless o</u>	f whether there a	re any proble	<u>em areas</u> )					

Inspection report

(9/1/13)

If yes:	DOE:	S COIV	Title (actual title,		SCHARGE CONTROL (IN: )	CLUDE	S SPI	ILLS) P	LANS [4	40CFR403.8(f)(	(2)(vi)]? Last Upc	Yes⊠ No∐ late
, 03.	,	1.	SPCCP SPCCP	1401 31 001	1				***************************************		11/1/97	
		2.	31 CC1								11/1/9/	
	В.	Wer	e Plans reviewed fo	or completen	ess, especially regard	ling ba	atch	disch	arges/	slugs and Q.19	9/20/21?	Yes⊠ No□
	C.	•	•	existing Plan	s? (If yes, write comp	any 8	req	uire)				Yes□ No⊠
	D.				those listed in Part A					any & require	)	Yes□ No⊠
	E. Explain why/why not for C or D: There have not been any significant changes regarding VA Medic										A Medical	
				<u>c</u>	peration that would	requi	re re	evisio	ns to tl	neir plan.		
23.	DOE	s cor	ЛРANY HAVE ANY I	MAINTENANC	E SHOP PARTS WASH	IERS?						Yes□ No⊠
If yes:												
	В.		rity pollutants (or "		A							
	C.		is spent solvent di						1.6			
		(The	se solvents are not in	cluded in datat	pase's priority pollutant	s list, i	nor n	nonito	ored for	unless conditio	ns show po	tential discharges)
24.				'ENTS USED (	OTHER THAN IN PART	rs wa	SHE	RS)?				Yes⊠ No□
If yes:	Α.		ent name/					3/469				Priority
	_		ponents		Used for?			?		How disposed	?	Pollutant?
		ohols, I reus	Xylene (distille ed)	ed lab reage	lab reagents			Vo⊠	1	evaporates or hauled offsite	it is	Yes□ No⊠
	Phenol			sanitatio	n agent-trace	Yes	<u> </u>	Vo X		evaporates		Yes No
				amounts	applied with a							
				shop tow	/el							
	Tol	uene		lab reage	ent	Yes	1	40 <u>×</u>		hauled offsite		Yes⊠ No□
						Yes		10				Yes No
						Yes		40 <u> </u>				Yes No
						Yes		10		annananan annangapapapata		Yes No
25.	DOE	s con	1PANY HAVE A 413	/433/469-REG	GULATORY "SOLVENT	ΓΜΑΝ	IAGE	EMEN	IT PLAN	1,,5		Yes□ No⊠
					whether or not solve							163 110 2
If yes:			part of a Spill/Slug								Yes[1	. 2. No
	В.	If no	to A, date of last u	pdate for SM	P:							
	C.	Is th	ere a copy of the S _l	oill/Slug Plan	or SMP in the files?							Yes No
	D.	Does	SMP address all 4	13/433/469 s	olvents? (or verify "n	one"	<b>)</b>					Yes No
		( <u>If no</u>	to C or D, write co	ompany and r	equire submittal and	/or up	dat	<u>e</u> )				
26.	ARE	EMER	GENCY NOTIFICAT	ON PROCEDI	JRES POSTED THAT IN	וכווור	)F M	וצט כנ	ONTAC	T\$?		Yes⊠ No□
					cards & told to post v						el can	Yes⊠ No□
		locat	e them?		-			-		•		
		(Mus	st post if company	generates pro	cess wastewater or s	stores	che	mical	s of co	ncern)		
27.	IS CC	MPA	NY <u>REQUIRED</u> TO S	ELF-MONITOI	R ANY OF THEIR DISC	HARG	ES?					Yes No
If yes:			quirement containe									, 6323 , 10
			ner document, date									
			frequently is samp									
	D. How frequently are reports required? <u>quarterly</u>											
	E. Have reports been on-time, complete & signed by proper person?									Yes⊠ No□		
	F.	If no	explain:	<u>.</u>								

28.	DOES COMPANY SELF-MONITOR ITS WASTEWATER DISCHARGE?	Yes No
If yes:	A. Does sample collection time period match co's production shifts?	Yes No
	B. Are representative grab/comp samples collected?	Yes No
	C. Are EPA-approved 40 CFR 136 wastewater test methods used?	Yes No
	D. Does company measure pH and/or temperature itself?	Yes  No  No  No  No  No  No  No  No  No  N
	If yes: E. Have the company show equipment and procedure (meters, calibration stds, etc.).	[
	Is measurement performed properly?	Yes No
	F. If no to A,B,C, or E,	
	explain needed changes:	
29.	DOES COMPANY CONTINUOUSLY MONITOR AT SAMPLE POINT AND	Yes∐ No⊠
	KEEP A PERMANENT RECORD FOR: pH, TEMP, LEL?	
If yes:	A. At which SPs?	
	B. Does company submit quarterly summaries?	Yes No
	C. If no, explain:	
30.	DOES MSD SPLIT SAMPLES WITH THE COMPANY?	Yes□ No⊠
If yes:	A. Is company having the samples analyzed	Yes No
ii yes.	B. How does company insure proper preservation, holding times & analytical methods?	res No
	g. How does company insule proper preservation, nothing times & analytical methods:	
	C. Has company submitted results of all split sample analyses since the last insp?	Yes No
	D. Have results been submitted within 28 days of the collection's calendar quarter?	Yes No
	E. If no to C, or D, explain:	.6510
	F. Does company still want to split samples?	Yes No
	G. Comments:	.63[1,10[]
31.	IS COMPANY DECLIDED TO DECLIDADLY CURNIT ANY DEPORTS OTHER THAN SELE MONITORING DEPORTS.	v 67
	IS COMPANY REQUIRED TO REGULARLY SUBMIT ANY REPORTS OTHER THAN SELF-MONITORING REPORTS?	Yes⊠ No□
If yes:	A. Is requirement contained in permit or other document.	
	B. If other document, date & description:	
	C. What is required to be reported? Radioactive discharge report	
	D. How frequently are reports required? Quarterly	
	E. Have reports been on-time, complete & signed by proper person?	Yes⊠ No□
	F. If no, explain:	
32.	IS COMPANY UNDER ANY ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS TO SUBMIT	Yes No⊠
	COMPLIANCE SCHEDULE REPORTS?	. 65
If yes:	A. Type and date:	
•	B. Have the reports & actions been on-time & complete?	Yes No
	C. If no, explain:	res res
33.	ASK COMPANY: IS COMPANY IN COMPLIANCE W/APPLICABLE NESHAP REGULATIONS FOR WW DISCHARGES?	Yes⊠ No□
	[To see if 40CFR63 applies to MSD plant, per §§63.1580(b) & 63.1582(a). Some MDNR-issued Title V air permits for	
If no:	specific processes allow <u>pre-approved</u> WW discharge. City/County-issued air permits are <u>not</u> NESHAP permits.]  A. Describe:	
11 110.	B. Was MDNR Air Pollution Control informed? (must be done)	Yes No
	(Marie Marie Marie )	, c3[] 140[]
34.	DOES COMPANY RETAIN ALL WASTEWATER RECORDS FOR AT LEAST 5 YEARS?	Yes⊠ No□
If no:	A. How long does company retain records?	
	B. Was company told to retain for at least 5 years, per ordinance?	Yes No
C.	Where are they kept? Contact maintains a records file and there is alos a digital record at the Koch facility	with the VA.

35.	IS CC	MPANY CL	ASSIFIED AS A S	IGNIFICANT INDU	STRIAL USER (SIL	J)?	Yes⊠ No□
If yes:	A.		kplain applicabl				
				egorical stds unde	r 40 CFR 403.6.	Which cat. stds?	
		∠ Proces	s discharge =>	25,000 GPD		Total process volume: 69,148 (process fro	m Hospital ,
		Drocos	c dischargo -> (	5% of TP ADW hyd	raulic capacity	Lab and kitchen waste)	
		america.	-	5% of TP ADW nyd 5% of TP ADW orga	•	TP ADW hydraulic capacity: Percent Which organic pollutant?	<b>:</b>
		FIOCES.	s discridinge -> .	070 OF TE ADVI OF	arric capacity	TP ADW organic capacity: Percent: _	
		Reason	able notential	for adverse effect	on operations	Why?	
				for violating PT std	•	Which ones & why?	
	В.			dg (is it listed as th	•		Yes⊠ No□
	If no			ner name (use DB			
		(	check E-CIS CA	PS Customer Info)			
				ner mailing addre			
		(	check E-CIS CA	PS Customer Info)			
36.	DO 1	מכט כו עכנוו	EICATIONS NEE	D TO BE REVISED?			Yes□ No⊠
If yes:			rrect classificat				ies [] No [2]
,		SIU 🗌	Non-Si	gnificant CIU	CIU 🔲	Surcharge Non-Toxic Process Water	er/Wastes 🗍
		Toxics-Bea	ring Waste 🗌		ocess Discharge [		
	В.	Explain cha	anges:	-			
							, , , , , , , , , , , , , , , , , , ,
37.			ASSIFIED AS "M			2	Yes No
If yes:			_	gregated from oth any own the bldg/i		-	Yes No
				_		total discharge, or else must provide	Yes No
	C.		l sample points		responsible for	total discharge, of else must provide	Yes No
	D.			/P&E Wash-type v	wastes discharge	d?	Yes No
				completely innoc	_		Yes No
		(A	and explain why	/why not:)			bearing bearing
	F.					or provide segregated SP.	
	_			Or write com		rement	
				imits "alert only" o	on PIMS?		Yes No
	н.	Comments	·				
38.	IS CO	MPANY CLA	ASSIFIED AS "Sp	ecial Handling/Bill	ling"?		Yes No⊠
If yes:		Why?		<b>G</b> ,			res No
	В.	Are any ch	anges needed t	o reasons/details?	•		Yes No
		If yes, expl					
	D.	Were com	oany records re	viewed & verified	for special handl	ing/billing reports? NA	Yes No
39.	SVVI	PLE POINTS					21/ / )
JJ.	SP #	001	Fed.Reg.		Components:	Hospital Waste, Kitchen waste, Lab w	DJ(y/n)
	J1 π	001	rea.neg.		components.	Cooling tower blowdown, Boiler blowd	
						Water regeneration/Reject water, San	
						NCCW, Storm water	iteary,
	SP#	002	Fed.Reg.		Components:	Hospital Waste, lab waste, Cooling t	tower No
						blowdown, Sanitary, Storm water	
	SP#		Fed.Reg.		Components:		N/A
-	CD #		Fod Do-		C		
	SP#		Fed.Reg.		Components:		N/A
-	SP#		Fed.Reg.		Components:		N/A

40.	ARE ANY SAMPLE POINTS TRAPPED VENTS?  Yes No Section 1. Section 2.								
If yes:	-	ormed th	at T-vents are prefe	erred, and told why?	Yes No				
41. If yes:		ARE DISCHARGES AT ANY SPs SMALL/IRREGULAR ENOUGH TO ALLOW GRAB SAMPLES?  A. List SPs and reasons:							
42.	ARE THERE ANY UNSAMPLED DISCHARGES? (list each lateral separately)								
	Dummy SP #		Components:						
	Dummy SP #		Components:						
43. If yes:	DO ANY SAMPLE A. List Sample	-	ncluding Unsample SP001 and SP002	ed/Dummy SPs) RECEIVE STORMWATER?	Yes⊠ No□				
44.	WERE ALL SAMPL	E POINTS	6 (except Dummy S	Ps) OPENED & INSPECTED?	No SPs☐ Yes∑ No☐				
	A. If any SPs car	not be lo	cated or opened, e	explain:					
			ed to be changed, e	,					
				s observed in any SP?	Yes□ No⊠				
	D. If yes to C, lis								
	E. If yes to C, wa	as compa	ny directed to take	corrective actions?	Yes No				
45.	REVIEW THE SAM	PLE POIN	IT MAP!	Last map revis	sion date: 7/11/12				
	A. Is the map of	orrect an	id accurate in <u>all</u> its		Yes⊠ No□				
	B If no, what o	changes a	re needed:						
46. If yes:	Tes Trong								
				TIONS PERTINENT TO YOUR INSPECTION OF THIS SIT					
VA Me	d Center is in the p	rocess of	acquiing property	that is on Bell Avenue (former site of multi-occup	ancy building that contained				
Chem 1	ech Products acco	<u>unt #104</u>	<u>84040-00). Current</u>	ly, there are no plans since there are some tenan	ts left in this building,. As				
each of	each of these tenants lease expires and when this building is totally vacated, VA Medical Center will at that time retain ownership of								
this bui	<u>lding.</u>								

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

PRIMART MSD ACCOUNT NO. 1000343900						St. Louis MO. 63106										
INDU	STRIAL USER CLASSII	ICATIONS	,	WUN	NEN	BERG I	NFC	)	SIU CRITERIA							
03/06/1997 SIU				se Ma	<b>p</b> 19F	F2				PR25 Process Disch => 25,000 GPD						
03/0	6/1997 TOX		wı	ın:St.	Louis	City &	Co.									
			Gr	id: G	19 Pa	ge 27				1						
L			J L							L				M.M		
GENER	AL INFORMATION T					ON IN	FOR	MATI	)N	4	PERMIT I	***************************************	·····		IUQ INFOR	
015 N	Office Mailing Address Grand Boulevard			xt Du	_						Issue Date		2/01/2012	- 11	-	: 08/14/2001 Jian Grabski
	iis, MO. 63106		*************	Rslt	************	######################################			-		Expire Da  Extended		1/31/2017	- 11		1
O11 2304	Billing Address		02/	18/20	14 RI	N Da	vid K	Cupke			Writer		ott Rehmer	- 11	•	: 09/19/2006 ian Grabski
915 N.	Grand Blvd										Willei					: 09/07/2011
St. Lou	is, MO. 63106													1	-	/id Kupke
	CONTACTS		попопопопопоп	******************************	onnoconconcon	<del>100100000000000000</del>	1000000000	10000000000000000000000000000000000000	000000000000000000000000000000000000000						Windows	- Tapito
BILL	Keith Repko	Service Ch	iof/En				Ol	CE.	(214)	. 20	0 (420 Esst		]			
	•				mg				, ,		9-6438 Ext.					
FLD1	Mikes Stogsdill	Pipe Shop	•					ELL			2-6973 Ext.					
	Mikes Stogsdill	Pipe Shop	-				Ol				9-6450 Ext.					
EL DO	Mikes Stogsdill	Pipe Shop	-					ΑX			9-6589 Ext.					
FLD2	Roger Todd	General Fo					OF				9-6331 Ext.					
FLD3	Fabian Grabski	Cheif Facil		_	_			VR			5-5032 Ext.					
	Fabian Grabski	Cheif Facil		-	-			ELL			5-4780 Ext.					
	Fabian Grabski	Cheif Facil		-	-		OF		` ′		9-6423 Ext.					
	Fabian Grabski	Cheif Facil		0	ring			λX			9-7045 Ext.					
OFF1	Mike Stogsdill	Pipe Shop	-				OF				9-6450 Ext.					
OFF2	Roger Todd	General For					OF				9-6331 Ext.					
OFF3	Fabian Grabski	Chief Facil						λX			9-7045 Ext.					
	Fabian Grabski	Chief Facil		•	_		OF	FF	(314)	28	9-6423 Ext.					
	Fabian Grabski	Chief Facil		_	_			ELL	(314)	26	5-4780 Ext.					
	Fabian Grabski	Chief Facil	ities E	ngine	ering		SV	VR	(314)	84	5-5032 Ext.				000000000000000000000000000000000000000	
PEKA	TIONAL INFORMATIO	N								7	10/00/100/		7 T		·····	IES INFORMATION
Work I	•		S	M	T	W	T	F	S	11	12/02/1996 01/29/1997		Hazardous \ ar Regulatory		-	MOD93060090030 24-00144-05
1	150 12:00AM	8.0	Y	Y	Y	Y	Y		Y	11			ai Regulatory R - Hazardou			004272
2	750 08:00AM	8.0	Y	Y	Y	Y	Y	Y	Y	11			- Billing Acc		-	00086730
3 Total E	300 04:00PM Cmp: 1,200 Hrs: 2	8.0	Y	Y	Y	Y	Y	Y	Y	┞						0000130
		+.0				_										
	WERED WASTE									-						
	•	Disposal N	0	ff-Site	e Disp		Y	CDV								
09/07/2	<ul><li>011 Acids and/or Alkalia</li><li>011 Equipment Oils and</li></ul>					10 50		GPY GPY	1							
09/07/2	. ,	or Orease				12000	Λ	LB/Y	_R							
09/07/2		e Grease				100	U	GPY	`							
09/07/2						<10		GPY								
09/07/2	011 Solvents/Thinners					50		GPY								
09/07/2	011 Organic Compounds	3				15		GPY								
~				***************************************		MAGNoobuscoooup						***************************************				
<u>M</u>																
<u>/1</u>																
<u>1</u>																
•																
AW M	ATERIALS			~~~~~				***************************************	SI	C	NFORMAT	CION				

<u>SIC</u>

8062

**DESCRIPTION** 

General Medical & Surgical Hospitals

Report No. PIMS012A 04/08/2014 8:26:36 am Data Date & Time: 04/08/2014 8:26:36 am

MATERIAL_DESCRIPTION QUANTITY UNIT

EFF DATE

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

PRODUCTS

**EFF DATE DESCRIPTION** 05/07/2004 General hospital services

UNIT

AVG_PROD MAX_PROD

SEWER ACCOUN	TS	WATER	CONS	SUMPTIO
***************************************	r		********************	source of the second second second

Sewer Accounts	
1008545900	

WATER CON	VATER CONSUMPTION AND WASTEWATER DISCHARGE									
Start Date	= 01/01/20	13 12E00U00 Adv1=	02/28/2	2014 12:59:	59P <b>W</b>	days	Cdays			
Acct. No.	Consumption				Discharge					
1008545900			CCF's	Gallons				(	Gal/ Wday	Gal/ Cday
1008545900	11/27/2012	02/27/2013	10,330	10,330	Α	93	93		93	
1008545900	02/28/2013	05/24/2013	10,310	20,640		86	86	1	79	
1008545900	05/25/2013	09/03/2013	10,474	31,114		102	102	2	81	
1008545900	09/04/2013	11/25/2013	16,025	47,139		83	83	3	64	
1008545900	11/26/2013	02/26/2014	8,958	56,097		93	93	4	57	
RF 0	).66 Acct.	Total	56,097	41,963,473		4	57	457	60,604	60,604
	Facility 1	56,097								

001/10000000000000000000000000000000000	and SAMPLE POINT INFORMATION						
LATERAL NO.	Lateral Type		reatment.		sell Point		
01	Sanitary Or Combined	19F2 345C	Trunk	Sewer 37 -	Western Mill C	reek	
Description	Multiple lines exiting buildings on N side or	f campus into 12" mai	n in Bell				
Sewer Route	W on Bell, S on Vandeventer, E through RF	Ryard, E on Chouteau	E on Rutg	er to River, N	to STP		
SAMPLE POIN	T NO. 001 Ordinance	NPE	ES Outfal	l No.			
Description	MH S of Bell curb 80' E of Spring (Total	Flow)					Effective
Discharge Com	oonents Process Description	Avg Flow	Unit	Max Flo	w Unit	RUD	Date
Storm Water			) GPD		GPD	D	4/16/08
Regeneration/Reje	ect Water		7 GPD		GPD	D	9/7/11
Boiler Blowdown			5 GPD		GPD	D	9/7/11
Sanitary		18,00	) GPD		GPD	D	9/7/11
Hospital Waste		36,30	GPD		GPD	D	9/7/11
_aboratory Waste	Animal, Research, + Diagnostic Labs		6 GPD		GPD	D	9/7/11
Kitchen Waste		10,37	GPD		GPD	D	9/7/11
Non Contact Cool	ing Watentoclaves	10	GPD GPD		GPD	D	2/18/14
Cooling Tower Bl	owdown	8,156	GPD GPD		GPD	D	2/18/14
	Total Flow Avg =	84,773	ľ	Max =			
3000 1000 1000 1000 1000 1000 1000 1000	and SAMPLE POINT INFORMATION		***************************************	480000000000000000000000000000000000000	10000000000000000000000000000000000000	•	**************************************
LATERAL NO.	Lateral Type		reatment A		ell Point		
02	Sanitary Or Combined	19F2 352C	Trunk S	Sewer 37 -	Western Mill Cı	eek	
Description	Multiple lines exiting buildings on S side of	campus into 12' main	in Enright				
Sewer Route	W on Enrightl, S on Vandeventer, E through	RR yard, E on Chout	eau, E on F	tutger to River	, N to STP		
SAMPLE POIN	ΓNO. 002 Ordinance	NPD	ES Outfal	l No.			
Description	Offset MH @ Spring & Enright 75' SW o	f building #5 (Total Fl	ow)				
Discharge Comp	onents Process Description	Avg Flow	Unit	Max Flov	v Unit	RUD	Effective Date
Storm Water		(	GPD		GPD	D	4/16/08
Sanitary		6,000	GPD		GPD	D	9/7/11
lospital Waste		12,101	GPD		GPD	D	9/7/11
aboratory Waste	Diagnostic + Research Labs	4,336	GPD		GPD	D	9/7/11
Cooling Tower Blo	owdown	2,750	GPD		GPD	D	2/18/14
	Total Flow Avg =	25,187		Aax =			

Report No. PIMS012A

04/08/2014

8:26:36 am

Data Date & Time:

04/08/2014

8:26:36 am

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900 Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

PRETREATMENT TYPES

SP EFF DATE TYPE DESCRIPTION

001 02/02/2004 DC37 pH Adjustment/Neutralization

001 03/16/1998 DC28 Grease Trap

002 01/16/2003 DC37 pH Adjustment/Neutralization

PRIORITY POLLUTANTS

Pollutant Description	<u>Status</u>	Pollutant Description	<u>Status</u>	Pollutant Description	<u>Status</u>
Asbestos (Fibrous)	SP	Cadmium (Total)	SP	Mercury (Total)	SP
Lead (Total)	SP	Phenol	KP	Toluene	KP
Chloroform	SP				

EXTRA STRENGTH SURCHARGE INFORMATION

Report No. PIMS012A Data Date & Time:

04/08/2014

04/08/2014

8:26:36 am 8:26:36 am

PIMS FACILITY CONTACTS	VA MEDICAL CENTER	
PIMS	1008545900	0 14 410
	For Account Number Selected	

63106 Located at 915 N. Grand Boulevard St. Louis MO

Address Type

Contact Type	Contact Name	Contact Title	Email	Signato	Signatory Phone Type Number	pe Number Ext.
Billing Address Billing Contact Office Mailing Address	Keith Repko	Service Chief/Engineering		>	OFF	(314)289-6438
Office Contact - Primary	Mike Stogsdill	Pipe Shop Superviosr	michael.stogsdill1@va.gov	<b>&gt;</b>	OFF	(314)289-6450
Office Contact 1st Alt	Roger Todd	General Foreman	roger.todd@va.gov	>	OFF	(314)289-6331
Office Contact 2nd Alt	Fabian Grabski	Chief Facilities Engineering	fabian.grabski@va.gov	Z	CELL	(314)265-4780
Office Contact 2nd Alt	Fabian Grabski	Chief Facilities Engineering	fabian.grabski@va.gov	Z	FAX	(314)289-7045
Office Contact 2nd Alt	Fabian Grabski	Chief Facilities Engineering	fabian.grabski@va.gov	Z	OFF	(314)289-6423
Office Contact 2nd Alt	Fabian Grabski	Chief Facilities Engineering	fabian.grabski@va.gov	Z	SWR	(314)845-5032
Premise Address						
Field Contact - Primary	Mikes Stogsdill	Pipe Shop Supervisor	michael.stogsdill1@va.gov	Z	CELL	(314)372-6973
Field Contact - Primary	Mikes Stogsdill	Pipe Shop Supervisor	michael.stogsdill1@va.gov	Z	FAX	(314)289-6589
Field Contact - Primary	Mikes Stogsdill	Pipe Shop Supervisor	michael.stogsdill1@va.gov	Z	OFF	(314)289-6450
Field Contact 1st Alt	Roger Todd	General Foreman	roger.todd@va.gov	Z	OFF	(314)289-6331
Field Contact 2nd Alt	Fabian Grabski	Cheif Facilities Enginering	fabian.grabski@va.gov	Z	CELL	(314)265-4780
Field Contact 2nd Alt	Fabian Grabski	Cheif Facilities Enginering	fabian.grabski@va.gov	z	FAX	(314)289-7045
Field Contact 2nd Alt	Fabian Grabski	Cheif Facilities Enginering	fabian.grabski@va.gov	z	OFF	(314)289-6423
Field Contact 2nd Alt	Fabian Grabski	Cheif Facilities Enginering	fabian.grabski@va.gov	z	SWR	(314)845-5032

# PIMS REPORT OF FIELD SAMPLING REQUIREMENTS VA MEDICAL CENTER

#### Account No Entered 1008545900

SPN PREMISE ADDRESS		MISE ADDRESS	CITY	ST	ZIP
	915	N. Grand Boulevard	St. Lou	ıis MO	63106
001 Project Code: Pollutant Group	IM = IPD - Company - MSD Poll Code Pollutant Description		Frequency	Sample Type	End Date
	1208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2014
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2014
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2014
	T237000	рН	Once/year	Grab	06/30/2014
	T247000	Temperature	Once/year	Grab	06/30/2014
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2014
	T257000	Total Phenols	Once/year	Grab	06/30/2014
	T393000	Silver (Total)	Once/year	Comp-Time 04 Hrs	06/30/2014
	T991000	Phenolic Organics - Acids	Once/year	Grab	06/30/2014
henolic Organics - Acids	1991000	Thereare organized include	,		
Phenolic Organics - Acids Volatile Organics	T996000	Volatile Orgs-not incl Acro/Acryl & 2-o	-	Grab	06/30/2014
~	T996000	<u> </u>	-	Grab Sample Type	06/30/2014 End Date
olatile Organics  Project Code:	T996000	Volatile Orgs-not incl Acro/Acryl & 2-o	childmoethigar		
olatile Organics  Project Code:	T996000  IM = I Poll Code	Volatile Orgs-not incl Acro/Acryl & 2-o PD - Company - MSD Pollutant Description	eh@noefh@ar Frequency	Sample Type	End Date
olatile Organics  Project Code:	T996000  IM = I Poll Code  1208000	PD - Company - MSD Pollutant Description Biochemical Oxygen Demand (5 Day)	Frequency Once/year	Sample Type Comp-Time 04 Hrs	End Date 06/30/2014
olatile Organics  Project Code:	T996000  IM = I Poll Code  1208000 T213000	PD - Company - MSD Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand	Frequency Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs	<b>End Date</b> 06/30/2014 06/30/2014
olatile Organics  Project Code:	T996000  IM = I Poll Code  1208000 T213000 T234000	PD - Company - MSD Pollutant Description Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total)	Frequency Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs  Grab	End Date  06/30/2014  06/30/2014  06/30/2014
olatile Organics  Project Code:	T996000  IM = I Poll Code  T208000 T213000 T234000 T237000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH	Frequency Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs  Grab  Grab	End Date  06/30/2014  06/30/2014  06/30/2014  06/30/2014
olatile Organics  Project Code:	T996000  IM = I Poll Code  1208000 T213000 T234000 T237000 T247000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature	Frequency Once/year Once/year Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs  Grab  Grab  Grab	End Date  06/30/2014  06/30/2014  06/30/2014  06/30/2014  06/30/2014
olatile Organics  Project Code:	T996000  IM = I Poll Code  1208000 T213000 T234000 T237000 T247000 T256000	Volatile Orgs-not incl Acro/Acryl & 2-o  PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids	Frequency Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Comp-Time 04 Hrs	End Date  06/30/2014  06/30/2014  06/30/2014  06/30/2014  06/30/2014  06/30/2014
olatile Organics  Project Code:	T996000  IM = I Poll Code  1208000 T213000 T234000 T237000 T247000 T256000 T257000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols	Frequency Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Comp-Time 04 Hrs Grab	End Date  06/30/2014  06/30/2014  06/30/2014  06/30/2014  06/30/2014  06/30/2014  06/30/2014



# Metropolitan Saint Louis Sewer District 2350 Market Street Saint Louis, Missouri 63103-2555

VA MEDICAL CENTER 915 N. Grand Blvd St. Louis, MO 63106

Attn: Ed Beaty

Pipefitter Supervisor

# INDUSTRIAL WASTEWATER DISCHARGE PERMIT NUMBER 1008545900.

# **ANNUAL PERMIT FEE NOTICE**

For permits in effect as of 10/01/2013.

Fee will be included in a separate bill from the Metropolitan St. Louis Sewer District.

## **Explanation of Charges**

Fee for Pretreatment Program Discharge Permit covering the period October 1, 2013 through September 30, 2014 issued in accordance with the Metropolitan St. Louis District Ordinance #12413 for the location at **915 N. Grand Boulevard**.

Base charge @ \$150.00 per permit Volume charge @ \$0.72 per average daily Ccf Sample Point Charge @ \$100.00 per sample point

91.29 Ccf(s) 2 Point(s) \$150.00 \$65.73 \$200.00

**Total Fee Due:** 

\$415.73

For inquiries about the Annual Permit Fee, please call 314-436-8756. For inquiries about payment of the fee, which will appear on your upcoming monthly bill, please call 1-866-281-5737.

# THIS IS NOT A BILL DO NOT PAY NOW

FEE WILL BE INCLUDED IN A SEPARATE BILL

SK 12/18

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

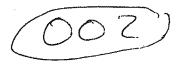
PARTI: IDENTIFYING INFORM	IATION	<i>p</i> .	2 -11-0	,	_			
Company Name: VA MEDICAL CENT	TER /	208	3-5459	-00	9			
Permit No: 1114046000-2	ffective [	Date:	02/01/2012		Expiration	on Da	ate: 01/31/20	17
Premise Address: 915 N. Grand Blvd,	63106				•	-, -		• •
Monitoring Period: □(JAN-MAR)		□(A	PR-JUNE)		□(JULY-SI	EPT)	<b>7</b> 00	CT-DEC)
Samples Collected By:Analyses Performed By:	Inc	-				,	<b>*</b> ***********************************	,
Analyses Performed By:								The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th
PART II: ANALYTICAL RESULT	S OF SE	ELF	MONITORING	3				wyddonoddonolaidia diwygganggaggaggag
MSD SAMPLE POINT REFERENCE NUMBERS . ⇒			001					No. 10
DATES ON WHICH SAMPLES WERE COLLECTED								
TIMES AT WHICH SAMPLES WERE COLLECTED	⇔			<b>I</b>		1	antininining ye dy common new year and proper distribution as All System	
PARAMETER LIMIT			CORD SAMPLE T ( G=grab, C=cor	YPES nposite	(G, C, M OR E) A , M=measured flow,	ND RI E≂estin	ESULTS BELOW nated flow )	UNITS
FLOW			84,000	T		T		
		1				1-		
						$\parallel$		
				-		$\dagger$		-
						lacksquare		
·						╫┈		
				<b> </b>		╂		
			***************************************			╫╌		
			and a second substitution of a consequence of the second			-		
						}		
			**************************************			<b> </b>		
						<b> </b>		
						<b> </b>		
	· · · · · · · · · · · · · · · · · · ·							
					-			
		1		1 1		(		1

You must complete and sign the certification statements on the second page.

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORM	MATION							
Company Name: VA MEDICAL CENT	TER	•						
Permit No: 1114046000-2	ffective	Date:	02/01/2012		Expirati	on D	ate: 01/31/20	17
Premise Address: 915 N. Grand Blvd,	63106							•
Monitoring Period: □(JAN-MAR)		□(A	PR-JUNE)		□(JULY-S	EPT	) 78(0)	CT-DEC)
Samples Collected By:								or DEC,
Analyses Performed By: <u>LMT</u>	In	<u>C.</u>				***************************************		
PART II: ANALYTICAL RESULT	SOFS	ELF	MONITORING	G		***************************************		
MSD SAMPLE POINT REFERENCE NUMBERS	⇔	1	200			7		
DATES ON WHICH SAMPLES WERE COLLECTED	⇔			1		1		
TIMES AT WHICH SAMPLES WERE COLLECTED	⇨					╢		
PARAMETER	LIMIT	RE	CORD SAMPLE 1 ( G=grab, C=cor	YPES mposite	G (G. C. M OR E) A	-II AND R E≃esti	ESULTS BELOW	UNITS
FLOW			25,000	T		T		
			•			1		
		1				1		
						╁		· .
						╢		
			•			1		
			,			1		
						╫		
						1		
· · ·	1					<b> </b>		
	,							
						┢──		
						╟─		·
						<u> </u>		
							· ·	
		•		$\neg \dashv$				
		1			-		,	
				1			ı i	31

You must complete and sign the certification statements on the second page.



# INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

# PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

--- NONE ---

# PART IV: GENERAL CERTIFICATION STATEMENTS

В	DISCHARGE MONITORING REPORT CERTIFICATION
	All permittees must sign and complete the information below:
	I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.  Print or type name of signing official:  Michael F 540,950.
	Title: Pipe Shop Superer isor Telephone: 314-288-6450 Signature: Michael Fillografell  Detail 17-1/2-13
	Signature: Medical Fillographell Date: 12-16-13

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

Company Name: John Cochra			
Permit No:11140460	-00		
Premise Address: 91	5 North Grand B1	vd. St. Louis, MO. 631	
Reporting Period: O(JA)	V-MAR) → Â Û\E	PR-JUNE)   □ (JULY-SE	PT) MOCT-DEC
PART II: RECORD OF DISPOS	AL OF RADIOACT	IVE MATERIALS TO THE S	EWER SYSTEM
RADIONUCLI	. DE	ACTIVITY DISCHARGED	(millicuries)
How IAI	<u>.</u>		
7,1(9) / 71.1		β	,
TOTAL ACTIVITATE DE			
TOTAL ACTIVITY DIS			
PART III: CERTIFICATION STA	TEMENTS	• .	
Place your initials in the b Everyone must complete the i	ox under item .nformation und	A. er items A & B and sic	m this popul
A. CERTIFICATION OF COMPLE			
I certify that to the hest	of my knowledge r	holine all and to	
and 19 CSR Part 20-10.090 go regulated by the Nuclear Rec tively, have been met for the	rulatory Commissio	by release into sanitary se	
B. RADIOACTIVE MATERIALS I	ISCHARGE REPOR	T CERTIFICATION	
I certify under penalty of Law that direction or supervision in accordance properly gather and evaluate the impersons who manage the system, or the information submitted is, to the information submitted is, to the information submitted is, to the information of the submitted is and imprisonment of the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted in the submitted	ance with a system information submitt inose persons dire ine best of my know ant penalties for	dedesigned to assure that queed. Based on my inquiry of ctly responsible for gather ledge and belief, true, accessionity in false informations.	ualified personnel f the person or ring the information,
Print/type name of signing or	fficial:	Larry Chandler, MSRHS	
Title: Radiation Safety			14-289-6348
Signature: Aug / 1 d		Date: 12	1-1-

# **ENVIRONMENTAL MONITORING AND** TECHNOLOGIES, INC.



8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax; 847.967.6735 • www.emt.com

Report of Laboratory Analysis

CLIENT: Lab Order: St. Louis VA Medical Center

13100797

Project:

VASTL John Cochran

Lab ID:

13100797-01

Client Sample ID: 001 Composite

Report Date: 11/1/2013

Collection Date: 10/23/2013 2:05:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reporti Limit	ng v	Date Analyzed	l Batch Analyst
BOD, 5 Day, 20°C		Method:	SM5210 B		
Biochemical Oxygen Demand	50.0	15.0	mg/L	10/24/13 14:14	R193486 KK1
Chemical Oxygen Demand		Method:	HACH 8000		
Chemical Oxygen Demand	422	5.00	mg/L	10/24/13 11:15	R193301 LS3
Total Suspended Solids		Method:	SM2540D	•	
Suspended Solids (Residue, Non- Filterable)	34.0	15.0	mg/L	10/25/13 11:50	R193395 TB2

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services water product soil air waste



# ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

### Report of Laboratory Analysis

CLIENT: Lab Order: St. Louis VA Medical Center

13100797

Project: Lab ID: VASTL John Cochran

13100797-02

Client Sample ID: 001 Grab

Report Date: 11/1/2013

Collection Date: 10/23/2013 2:00:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reportin Limit	ng Units	Date Analyzed	Batch	Analyst	
On-site pH by Ion Selective Electrode	, •	Method:	SM4500-H	,		100101000000000000000000000000000000000	
рН	7.80		pH units	10/23/13 14:00	R193272	2 AR	
Temperature Centigrade		Method:	SM2550-B				
Temperature	17.1	1.	°C	10/23/13 14:00	R193272	2 AR	
Hexane Extractable Materials, (FOG)		Method:	E1664A				
Oil and Grease (HEM)	12.3	4.00	mg/L	10/30/13 11:30	R193686	UR1	
Phenolics		Method:	E420.1 REV.1978 BY	AQUACHEM			
Phenolics, Total Recoverable	0.054	0.01	mg/L	10/29/13 12:06	85654	JZ1	

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services water soil air product waste



5

# ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800,246.0663 • fax: 847.967.6735 • www.emt.com

Report of Laboratory Analysis

3142897075

CLIENT: Lab Order: St. Louis VA Medical Center

13100797

Project:

VASTL John Cochran

Lab ID:

13100797-03

Client Sample ID: 002 Composite

Report Date: 11/1/2013

Collection Date: 10/23/2013 2:20:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reporti Limit	ng	Date Analyzeo	l Batch Analyst
BOD, 5 Day, 20°C		Method:	SM5210 B	•	
Biochemical Oxygen Demand	967	15.0	mg/L	10/24/13 14:14	R193486 KK1
Chemical Oxygen Demand		Method:	HACH 8000		
Chemical Oxygen Demand	481	5.00	mg/L	10/24/13 11:15	R193301 LS3
Total Suspended Solids		Method:	SM2540D		
Suspended Solids (Residue, Non- Filterable)	386	15.0	mg/L	10/28/13 11:35	R193470 SL1

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services water soil air product waste



6

# **ENVIRONMENTAL** MONITORING AND TECHNOLOGIES, INC.



8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

3142897075

## Report of Laboratory Analysis

CLIENT: Lab Order: St. Louis VA Medical Center

13100797

Project:

VASTL John Cochran

Lab ID:

13100797-04

Client Sample ID: 002 Grab

Report Date: 11/1/2013

Collection Date: 10/23/2013 2:15:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reporti Limit	9 77 .,	Date Analyzed	Batch	Analyst
On-site pH by Ion Selective Electrode		Method:	SM4500-H			P0000000000000000000000000000000000000
pH	8.10		pH units	10/23/13 14:15	R193272	AR
Temperature Centigrade		Method:	SM2550-B			
Temperature	16.9	1.	°C	10/23/13 14:15	R193272	AR
Hexane Extractable Materials, (FOG)		Method:	E1664A			
Oil and Grease (HEM)	14.0	4.00	mg/L	10/30/13 11:30	R193686	UR1
Phenolics		Method:	E420.1 REV.1978 BY	AQUACHEM		
Phenolics, Total Recoverable	0.046	0.01	mg/L	10/29/13 12:06	85654	JZ1

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

I - Analyte detected below quantitation limits

environmental laboratory and testing services waste

water soil product air





# Chain of Custody Record

Scheduled Sampling Date. 10/22/2013

Due Date: 10/29/2013

8100 North Austin Avenue Morton Grove, II, 60053-3203 (847) 967-6666 FAN(847) 967-6735 www.entt.com

505291 COC#

Contact: Micha Address: 915 N St. Lo  Phone: (314) 3	uis VA Medical Ce nel F. Stogsdill Grand Avenue uis, MO 63106 72-6973 Proj. #: VASTI. John Cochran			1. C 4. E 7. S 10. 13. 15. C COI P · E B · I PRE 1. No 4. No 7. Zr 10. C	eProduc Other NTAINI Flastic Fediar Ba ESERV One BOH NACE Other	al Wasie :I ER TYP!	2. Drinking 5. Wastew. 8. Solid 11. Wipe 13. Solid E: V - VOC Via O - Other 2. H2SO4 5. HCL 8. Na2S2O3	ater		oundwater sundwater sss 3 13 14 15O4	(Filter)	2. 3. 4. 5. 6. 7. 8. 9 <del>.</del>	Solid: Oxyg Oxyg Phen Temp pH. F Semin Fats,	en. Bio en. Chi ol. Tota erature ield tes volatile Oils, &	Suspendogical emical em	Dema Dema Dema Field C/MS e (or H	(TSS) nd (BC nd (CC	PD) PD)		, c/,	44/00055-0000	EMT USE ONLY  EMT WORKORDER # 13/0079
Sampl	le I.D.	Sample Type	Size	ntainer		<u> </u>	Samp			<u> </u>	rvation	<del> </del>							<del></del>	<b></b>		
001 Composite	Composite	5	1 liter	Type P	No.	AL.	Date	Time	рН	Field 1	Lab	\frac{1}{V}	2.   X	3.	4.	5.	6.	7.	8.	9.	10.	Lab Sample I.D.
001 Composite	Composite	5	_500 ml	Р	1	R	10/23	17:05	1	2		4		X					<del>                                     </del>		T	616
001 Grab	GRAB	5	1 liter	G	1	R	10/27	14'00	7.8	2			1		X		<u> </u>					152A
001 Grab	GRAB	5	1 liter	G	1	M	1421	14.2	7.8	1						X	X	\ \	-			023
001 Grab	GRAB	5	1 liter	G	1	n_	10/27	14:60	78	5									$\times$			URC
001 Grab	GRAB	5	44 mi	V	3	M	140			5											-Ni	1 -/
002 Composite	Composite	5	1 liter	Р	1	n	10/21	15:22		. 1		X	X									63A
002 Composite	Composite	5	500 ml	Р	1	R	10/25	14:20		2				X								U3B
002 Grab	GRA8	5	1 liter	G	1	R	10/23	1415	8.1	2					X							04A
002 Grab	GRAB	5	1 liter	G	1	n		14:15		1	. :					×	X	X				0413
Relinguished By:	Date: 6 35 /3   Time:		eived By:		T	ate: ime: ate: ime:	an and a second and a purposed of the second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second	Client Client EMT I	ID: Conta	V ect: N	EMT ASTL athan	Fey					terresquescel		TEN (Mus was	IPER st be r greate	UTAS record	CEIVED ON ICE RE led if sampling n 6 hrs.prior to
Relinquished By:	Date: Time: : :	Rece	eived By:	5		ate/o	33 14 9:40:	Jar Lo	<u> </u>			······································						1	,	-		

SPECIAL INSTRUCTIONS:

œ

OHEA 200-6.99

001 years loan - 17./ 002 grantum - 16.9

10/18/2013 3:18:54 PM

Page 1

# Chain of Custody Record

Scheduled Sampling Date: 10/22/2013 Due Date: 10/29/2013

505291 8100 North Austin Avenue Morton Grove, II, 60053-3203 (847) 967-6666 FAN: (847) 967-6735 www.gini.com COC# SAMPLE TYPE: Analysis St. Louis VA Medical Center Company: 1. DI Water 2. Drinking Water 3. Soil 1. Fats, Oils. & Grease (or HEM) 4. Extract 5. Wastewater 6. O¥ Contact: Michael F. Stogsdill 7. Studge 8 Solid 9 Air 2. Volatiles by GC/M3. Wastewater 10. Chemical Waste 11 Wipe 12. Groundwater Address: 915 N. Grand Avenue 13. eProduct 14. Groundwater(Filter) St. Louis, MO 63106 15. Other CONTAINER TYPE: **EMT USE ONLY** V - VOC Vial G - Glass P - Plastic B - Tediar Bag O - Other Phone: (314) 372-6973 EMT PRESERVATIVE: 2. H2SO4 3. HNO3 WORKORDER 1. None Proj. #: 4. NaOH 5. HCL 6. MeOH 8. Na2S2O3 9. Na2HSO4 7. Zn Ace Project /Location: VASTL John Cochran 10 Other Sample Container Sampling Preservation Sample I.D. Туре Field Size Type No. Ву Date Time рН Lab Lab Sample I.D. 1 liter 002 Grab GRAB 10/23 002 Grab 44 ml Toles GRAB Religguished By: Received By: Date: SAMPLE RECEIVED ON ICE **EMT USE ONLY** TEMPERATURE Time: Time: ' 1 : ClientID: VASTL (Must be recorded if sampling Date: Received By: was greater than 6 hrs.prior to Client Contact: Nathan Fcy sample receipt) EMT Project ID: VASTL John Cochran Time: Date; 6 74 /7 Relinquished By: Date: Received By: Jar Lot No. Time: Time: 10/18/2013 3:18:55 PM

SPECIAL INSTRUCTIONS:

Page 2



# ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

	Outfall I.D. 00/ EVC Date 19/23/
Ambient Weather 53 Class Wind 5-10 U	Arrival Time 13:50 Departure Time 14:08
Sampler I.D. 47 Sampler Type /S	Meter I.D. Meter Type
Battery I.D.	Battery I.D.
Sampling Interval	Reading Level Actual Level
	Total Flow
Number of Samples Sample Collected A	t Primary Device
Nme/Flow/Storm /CE/Ref:	Maximum Head Height
Service Pull	Sample Initiation Sampler Start Time 14.55
Bottle # Volume Descript	on / Comments \ Sanitary
1	
2	\
3 ( c + M	Clear
3. 500) MANO	m/ Strongs Milky
5	· · · · · · · · · · · · · · · · · · ·
6	
7.	•
8	Sediment
9	
10	Other
11.	
12.	
13	
14	7.0 =
15	`
16	· · · · · · · · · · · · · · · · · · ·
17	Grab Time
18	Grab pH
19	Grah Temp
20	
21	
22	•
23	•
Client Meter Flow SR	RDL ACTI
Technician Signature Signature	Date 10/22/13
Technician Signature	Date



#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

3142897075

Client John Chin	######################################	Outfall I.D. OOI Ev	Date 10/13/
Ambient Weather 47°Clan	Wind. 0-5/1	Arrival Time 14:00	_Departure Time/4//
Sampler I.D. 42 Sa	ampler Type 15 /4		Meter Type
فسيلام بسيان			
Sampling Interval		Reading Level	Actual Level
Multiplex Cov/		Total Flow	•
Number of Samples Sa	ample Collected At 1905	Primary Device	
	E/Ref:	Maximum Head Height	
Install Service	Pull		Sampler Start Time (9/10
Bottle # Volume	Description / Comm	nents	Sanitary
			SS
2			Cloudy
		\ab\/	Clear
4			Milky Oil Film
6.			Foamy
7	Tora Zil		Flock
8	) 0 //		Sediment
9			Color TA
10.	Λ. Α.Ι.Ι.		Other
11/OS/P	10-5 PU/101	Egyins	
12,			
1314		•	pH Meter Calibration 7.0 = 6.9%
15			4.0 = 4,03
16			10.0 = 10:01
17			Grab Time 14:00
18			Grab pH 7.8
19			Grab Temp / 7./
20.			Grab temp 7 F/
21			
23			Incoming Meters
24			
		·	٠.
Client Meter Flow - Sa	RDL	ACTL	,
Technician / Now Sig	gnature /	Date 10/23 /	6
Tachnician Ci-		<b>5</b> ,	



Client John Cochna				Outfall I.D. 002 Eve Date 10/21/0		
Ambient W	eather 53°Cla	Wind (5-W)		Arrival Time 14:10	Departure Time	
Sampler I.D	2(	Sampler Type/:	Sc	Meter I.D.	Meter Type	
		•				
					Actual Level	
Multiplex						
(fine/Flow/	•	CE/Ref:		•		
INGERAL	Service	Pull			Sampler Start Time 14:15	
2				Sanak	Cloudy	
5					Oil Film Foamy Flock Sediment Color Other	
12					pH Meter Calibration 7.0 = 4.0 = 10.0 = Grab Time Grab Temp	
23			*****************			
Client Mete Technician	100	Sn:	RDI	ACTL Date 10/22	- -	
Technician	<del>/ / / ()</del>	Signature Signature	,	Data	=//}	



#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Client thous	Outfall I.D. <u>Do ) </u> &	Date (0/23//2
	Arrival Time 14/1	· · · · · · · · · · · · · · · · · · ·
Sampler I.D. 21 Sampler Type 150		<u>.</u>
	Battery I.D.	
	Reading Level	Actual Level
Multiplex Comp	Total Flow	Actual Level
17101010101	14:22 Primary Device.	
Time#Flow/Storm ICE/Ref:	Maximum Head Height _	
	• -	
Install Service (Pùll)	Sample Initiation	
Bottle # Volume Description /	Comments	Sanitary
. 1		<u>SS</u>
2	1////	Cloudy
3 2. 3 50/ 14	Vstyl.	Clear
4.	- 1 ;	Milky
5		Oil Film
6		Foamy
6. Tan 6.9		Flock
8		Sediment
9		Color 74
10.		Other
11.	BUNK	
12	V	
13		pH Meter Calibration 7.0 = 6.11
14		4.0 = 4.03
15		
16		$10.0 = \frac{10.01}{1.01}$
17		
18		CIAD DI L
19,20.		Gran Jamo / G. 7
21		
22		
23		· · · · · · · · · · · · · · · ·
24.		
		•
•		
Client Meter Flaw Sn	RDLACTL	. ,
Technician A. K. Cho Signature D	Date 10/23	113
TechnicianSignature	Date	

MEMO TO:

Chris Verplancke

Cynthia Chalk Mary Wimsatt

FROM:

Steve Grace SMG

DATE:

November 13, 2013

SUBJECT:

**RETURN FACTOR UPDATE REVIEW** 

RE:

V.A. MEDICAL CENTER SITE 657

915 N. GRAND AVENUE

MSD Sewer Account No: 086730-9

Recommended Return Factor (RF) for future billing: 0.66

Previous Return Factor: 0.62

Total annualized consumption on this account from water agency records as of September 2013 was 49,440 CcF.

Total annualized non-sewered water from metered data and company records for cooling tower and boiler evaporation as of November 2013 was 16,663 Ccf.

We recommend RF credits be applied effective the start of the documentation program in November 2012.

Under the current Ordinance 13402 rates, this new RF equates to a revenue increase per year as follows:

Volume Charges (\$2.50/Ccf) = \$4,944.00 Extra Strength Surcharges = \$ 0.00

Total Revenue Decrease = \$4,944.00

If you have any questions, please call me at 436-8755.

bν

ec:

Laura Joiner Brian Gibson Doug Mendoza

File:

RF, 1114-0460-00, V.A. Medical Center

IU, 1008545900, V.A. Medical Center-

SR 9/12

### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

1008-5459-00

PART I: IDENTIFYING INFOR	MATION	1008-2	131-00		
Company Name: VA MEDICAL CEN			*		
D. Sala and an an		Date: 02/01/2012	Franke the		
Premise Address: 915 N. Grand Blvd	1, 63106	02/01/2012	Expiration	n Date: 01/31/20	17
Manitoring Period: □(JAN-MAR	}	D(APR-IIINE)	TO Y TO U A CO		•
Samples Collected By:E MT	IN	_(()()	M(20LY-SE	PT) 🗆(0	CT-DEC)
Analyses Performed By:		·			
PART II: ANALYTICAL RESUL		ELF MONITORING			
MSD SAMPLE POINT REFERENCE NUMBERS	⇔	001			<u> </u>
DATES ON WHICH SAMPLES WERE COLLECTED	₽		200		
TIMES AT WHICH SAMPLES WERE COLLECTED	₽			and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th	
PARAMETER	T	RECORD SAMOLE D			, , ,
	LIMIT	( G=grab, C=comp	PES (G. C. M OR E) ANI	D RESULTS BELOW estimated flow )	UNITS
FLOW		84,000	25,000	· ,	
·			23,000		
	·				
:					
			-		
				+	
			+		
			+	+	
		<del> </del>		+	
					i

You must complete and sign the certification statements on the second page. RECEIVED

SEP 1 2 2013

DIVISION OF ENVIRONMENTAL COMPLIANCE



# INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

--- NONE ---

# PART IV: GENERAL CERTIFICATION STATEMENTS

8	DISCHARGE MONITORING REPORT CERTIFICATION
	All permittees must sign and complete the information below:
	I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
	Print or type name of signing official: Michael F 5 to 5507/
	Title: Pipe Fitter Telephone: 314-377-6973 Signature: Michael of Stockhold Park 19-11-12
	Signature: Michael of StogsDell Date: 19-11-13

RECEIVED

SEF 1 2 2013

DIVIGION OF ENVIRORMENTAL COMPLIANCE

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PA	RT I: IDENTIFYING INFORMATION	222	
	mp any Name: <u>John Cochran VA Medical (</u>	enter	. , ,
Per	rmit No:	ı	,
Pre	emise Address: 915 North Grand	Blvd. St. Louis, M	10. 63106
Rep	orting Period: D(JAN-MAR)	'APR-JUNE) MAJI	II.Y-SEDT) FIGOR
	RADIONUCLIDE		ARGED (millicuries)
	Any/ALL	7	
	TOTAL ACTIVITY DISCHARGED:	Ø	
PART :	III: CERTIFICATION STATEMENTS		
Place Everyo	your initials in the box under item one must complete the information und	A. der items A & B and	d sign this report
Α.	CERTIFICATION OF COMPLIANCE WITH STA	TE AND FEDERAL REG	ULATIONS
DR.	I certify that to the best of my knowledge 6 and 19 CSR Part 20-10.090 governing disposal regulated by the Nuclear Regulatory Commission invelopment of the period covered	belief, all requireme by release into sanit	nts of 10 CFP Part 20, 2002
B. P	RADIOACTIVE MATERIALS DISCHARGE REPOR	RT CERTIFICATION	
I certif direction properly persons the info I am awa	y under penalty of Law that this document are not supervision in accordance with a system gather and evaluate the information submitted who manage the system, or those persons directly mation submitted is, to the best of my know that there are significant penalties for ity of fine and imprisonment for knowing vio	nd all attachments were designed to assure the ed. Based on my inqui ctly responsible for c ledge and belief, true	nat qualified personnel iry of the person or Mathering the information
Print/t	ype name of signing official:	Larry Chandler, MSR	is :
Title:_	Radiation Safety Officer	Telephone:	314-289-6348
Signatu	re: Day Chande	Date:	9/11/13

radrpt.doc 2/00



8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Lab Order:

13080773

Client Sample ID: 001 Composite

Report Date: 9/9/2013

Project:

VASTL John Cochran

Collection Date: 8/27/2013 2:00:00 PM

Lab ID:

13080773-01

Matrix: Wastewater

	ATAMES SEE TO MOTOR ACCE					
Analyses	Result	EMT Reportii Limit	ng	Date Analyzed	Batch Analyst	
BOD, 5 Day, 20°C	**	Method:	SM5210 B			
Biochemical Oxygen Demand	153	15.0	mg/L	8/28/13 15:43	R190898 SL1	
Chemical Oxygen Demand		Method:	HACH 8000	•		
Chemical Oxygen Demand	428	5.00	mg/L	8/29/13 08:30	R190793 LS3	
Total Suspended Solids	.*	Method:	SM2540D			
Suspended Solids (Residue, Non- Filterable)	120	15.0	mg/L	8/29/13 17:30	R190844 SL1	

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

C - Laboratory not accredited for this parameter

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services water soil product air waste





8100 North Austin - Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

## Report of Laboratory Analysis

CLIENT: Lab Order: St. Louis VA Medical Center

13080773

Project:

VASTL John Cochran

Lab ID:

13080773-02

Client Sample ID: 001 Grab

Report Date: 9/9/2013

Collection Date: 8/27/2013 2:05:00 PM

Matrix: Wastewater

٦.		EMT		Matrix: Wastewater			
Analyses	Result	Report Limi		Units	Date Analyz	ed Batcl	h Analys
On-site pH by Ion Selective Electrode		Method:	SM450	ю-н	demander of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the	10-0000000000-5-navoor000	
Н	8.20			pH units	8/27/13 14:05	R1910	51 AR
Temperature Centigrade		Method:	SM255	Λ в `	*	, , , , ,	o. Alt
Temperature	13.9	1.	UMIZUU				
	10.0	١.	4	*C	8/27/13 14:05	R1910	51 AR
lexane Extractable Materials, (FOG)	« .	Method:	E1664	4			
Oil and Grease (HEM)	29.5	4.00	- C	mg/L	9/5/13 08:30	R1911	76 UR1
henolics		Mothadi	E400.4	DE144070		11.077	OKI
Phenolics, Total Recoverable	0.035	Method:	E42U.7		BY AQUACHEM		
		0.01	:	mg/L	8/30/13 11:48	84389	JZ1
olatile Organic Compounds by GC/M	S	Method:	E624 / S	SW5030A	•	•	•
1,1,1-Trichloroethane	< 0.002	0.002		mg/L	9/3/13 19:47	94400	241
1,1,2,2-Tetrachloroethane	< 0.002	0.002		mg/L	9/3/13 19:47	84493	XN
1,1,2-Trichloroethane	< 0.002	0.002		mg/L	9/3/13 19:47	84493	XN
1,1-Dichloroethane	< 0.002	0.002	3	.mg/L	9/3/13 19:47	84493	XN
1,1-Dichloroethene	< 0.002	0.002		mg/L	9/3/13 19:47	84493	XN
1,2-Dichlorobenzene	< 0.002	0.002		mg/L	9/3/13 19:47	84493	XN
1,2-Dichloroethane	< 0.002	0.002	,	mg/L		84493	XN
,2-Dichloropropane	< 0.002	0.002		mg/L	9/3/13 19:47	84493	XN
,3-Dichlorobenzene	< 0.002	0.002	•	-	9/3/13 19:47	84493	XN
,4-Dichlorobenzene	< 0.002	0.002		mg/L	9/3/13 19:47	84493	XN
-Chloroethyl vinyl ether	< 0.01	0.01		mg/L	9/3/13 19:47	84493	XN
crolein	< 0.02	0.02		mg/L	9/3/13 19:47	84493	XN
crylonitrile	< 0.02	0.02		mg/L ma/l	9/3/13 19:47	84493	XN
enzene	< 0.002	0.002		mg/L	9/3/13 19:47	84493	XN
romodichloromethane	< 0.002	0.002		mg/L mg/L	9/3/13 19:47	84493	XN
romoform .	< 0.002	0.002		-	9/3/13 19:47	84493	XN
romomethane	< 0.002	0.002		mg/L ma/l	9/3/13 19:47	84493	XN
arbon tetrachloride	< 0.002	0.002		mg/L ma/l	9/3/13 19:47	84493	XN
hlorobenzene	< 0.002	0.002		mg/L	9/3/13 19:47	84493	XN -
hloroethane	< 0.002	0.002		ng/L	9/3/13 19:47	84493	XN
hloroform .	0.0033	0.002		mg/L	9/3/13 19:47	84493	XN
hloromethane	< 0.002	0.002		ng/L	9/3/13 19:47	84493	XN
	- 0.002	0.002	r	ng/L	9/3/13 19:47	84493	XN.

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Estimated
- H Holding Time Exceeded
- C Laboratory not accredited for this parameter
- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- J Analyte detected below quantitation limits

environmental laboratory and testing services water soil air product waste





8100 North Austin • Morton Grove, IL 60053-3203-847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Lab Order:

13080773

Project:

VASTL John Cochran

Lab ID:

13080773-02

Client Sample ID: 001 Grab

Report Date: 9/9/2013

Collection Date: 8/27/2013 2:05:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analyst
cis-1,3-Dichloropropene	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN
Dibromochloromethane	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN
Ethylbenzene	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN
m,p-Xylene	< 0.004	0.004	mg/L	9/3/13 19:47	84493	XN
Methylene chloride	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN
o-Xylene	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN
Tetrachloroethene	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN.
Toluene	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN
trans-1,2-Dichloroethene	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN
trans-1,3-Dichloropropene	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN
Trichloroethene ,	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN
Trichlorofluoromethane	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN .
Vinyl chloride	< 0.002	0.002	mg/L	9/3/13 19:47	84493	XN
1,2-Dichloroethene, Total	< 0.004	0.004	C mg/L	9/3/13 19:47	84493	XN
1,3-Dichloropropene, Total	< 0.004	0.004	mg/L	9/3/13 19:47	84493	XN
Xylenes, Total	< 0.006	0.006	mg/L	9/3/13 19:47	84493	XN
Surrogates:	3			0.07.0 10.44	01100	AN
1,2-Dichloroethane-d4	119	75-120	%REC	9/3/13 19:47	84493	XN
4-Bromofluorobenzene	82.4	80-120	%REC	9/3/13 19:47	84493	
d4-1,2-Dichlorobenzene	99.0	85-115	%REC	9/3/13 19:47	84493	XN.
Dibromofluoromethane	115	80-120	%REC	9/3/13 19:47	84493	XN
Fluorobenzene	96.0	85-120	%REC		84493	XN
Toluene-d8	95.8	80-120	%REC	9/3/13 19:47	84493	XN XN

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

C - Laboratory not accredited for this parameter

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services

water soil product waste



6



8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Lab Order:

13080773

Project: Lab ID:

VASTL John Cochran

13080773-03

Client Sample ID: 002 Composite

Report Date: 9/9/2013

Collection Date: 8/27/2013 2:20:00 PM

Matrix: Wastewater

Analyses	EMT Reporting Result Limit Units			Date Analyzed Batch Analys		
BOD, 5 Day, 20°C		Method:	SM5210 B			
Biochemical Oxygen Demand	110	15.0	mg/L	8/28/13 15:43	R190898 SL1	
Chemical Oxygen Demand		Method:	HACH 8000	•	)	
Chemical Oxygen Demand	384	5.00	mg/L	8/29/13 08:30	R190793 LS3	
Total Suspended Solids		Method:	SM2540D			
Suspended Solids (Residue, Non- Filterable)	162	15.0	mg/L	8/29/13 17:30	R190844 SL1	

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

C - Laboratory not accredited for this parameter

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services water soil air product waste





8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

3142897075

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Client Sample ID: 002 Grab

Lab Order:

13080773

Report Date: 9/9/2013

Project:

VASTL John Cochran

Collection Date: 8/27/2013 2:25:00 PM

Lab ID:

13080773-04

Matrix: Wastewater

Analyses	Result	EMT Reporti Limit	ng	Units	Date Analyze	ed Batch	Analys
On-site pH by Ion Selective Electrode		Method:	SM450	ю-н			******************************
рН	7.90			pH units	8/27/13 14:25	R1910	51 AR
Temperature Centigrade		Method:	SM255	in_r .			
Temperature	11.7	1.		*C	8/27/13 14:25	R19105	i AR
lexane Extractable Materials, (FOG)		Method:	E1664	Á			/ AIX
Oil and Grease (HEM)	38.3	4.00	C (004)	mg/L	9/5/13 08:30	R19117	6 UR1
henolics		Method:	F420 1	Ť	Y AQUACHEM	, (1011)	o orti
Phenolics, Total Recoverable	0.036	0.01	L420.1	mg/L		0.4000	
folosilo Comunic C					8/30/13 11:48	84389	JZ1
olatile Organic Compounds by GC/MS		Method:	E624 /	SW5030A			
1,1,1-Trichloroethane	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
1,1,2,2-Tetrachloroethane	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN .
1,1,2-Trichloroethane	< 0.002	0.002	,	mg/L	9/3/13 20:17	84493	XN
1,1-Dichloroethane	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
1,1-Dichloroethene	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
1,2-Dichlorobenzene	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
1,2-Dichloroethane	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
1,2-Dichloropropane	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
1,3-Dichlorobenzene	< 0.002	0,002		mg/L	9/3/13 20:17	84493	XN
1,4-Dichlorobenzene	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
2-Chloroethyl vinyl ether	< 0.01	0.01		mg/L	9/3/13 20:17	84493	ΧN
Acrolein	< 0.02	0.02		mg/L	9/3/13 20:17	84493	
Acrylonitrile	< 0.02	0.02		mg/L	9/3/13 20:17	84493	XN
Benzene	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
Bromodichloromethane	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
Bromoform .	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
3romomethane	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
Carbon tetrachloride	< 0.002	0.002		mg/L	9/3/13 20:17		XN
Chlorobenzene	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
Chloroethane	< 0.002	0.002		mg/L		84493	XN
Chloroform	< 0.002	0.002		mg/L	9/3/13 20:17	84493	XN
Chloromethane	< 0.002	0.002		-	9/3/13 20:17	84493	XN
•	0.002	0.002		mg/L	9/3/13 20:17	84493	XN

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Estimated
- H Holding Time Exceeded
- C Laboratory not accredited for this parameter
- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- J Analyte detected below quantitation limits

environmental laboratory and testing services water soil air product waste



8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Lab Order:

13080773

Project:

VASTL John Cochran

Lab ID:

13080773-04

Client Sample ID: 002 Grab

Report Date: 9/9/2013

Collection Date: 8/27/2013 2:25:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reporting Limit	Units	Date Analyzed	Batch	Analys
cis-1,3-Dichloropropene	< 0.002	0.002	mg/L	9/3/13 20:17	84493	XN
Dibromochloromethane	< 0.002	0.002	mg/L	9/3/13 20:17	84493	XN
Ethylbenzene	< 0.002	0.002	mg/L	9/3/13 20:17	84493	XN
m.p-Xylene	< 0.004	0.004	mg/L	9/3/13 20:17	84493	XN
Methylene chloride	< 0.002	0.002	mg/L	9/3/13 20:17	84493	XN
o-Xylene	< 0.002	0.002	mg/L	9/3/13 20:17	84493	XN
Tetrachloroethene	< 0.002	0.002	mg/L	9/3/13 20:17	84493	XN
Toluene	< 0.002	0.002	mg/L	9/3/13 20:17	84493	XN
trans-1,2-Dichloroethene	< 0.002	0.002	mg/L	9/3/13 20:17	84493	XN
trans-1,3-Dichloropropene	< 0.002	0.002	mg/L	9/3/13 20:17	84493	XN
Trichloroethene	< 0.002	0.002	mg/L	9/3/13 20:17	84493	XN
Trichlorofluoromethane	< 0.002	0.002	mg/L		84493	XN
Vinyl chloride	< 0.002	0.002	mg/L		84493	XN
1,2-Dichloroethene, Total	< 0.004	0.004	C mg/L		84493	XN
1,3-Dichloropropene, Total	< 0.004	0.004	mg/L		84493	XN
Xylenes, Total	< 0.006	0.006	mg/L		84493	XN
Surrogates:	•		-		0 / 100	ViA
1,2-Dichloroethane-d4	122	75-120	S %REC	9/3/13 20:17	84493	VII
4-Bromofluorobenzene	103	80-120	%REC		84493	XN
d4-1,2-Dichlorobenzene	118	85-115	S %REC		04493 84493	XN
Dibromofluoromethane	119	80-120	%REC		84493	XN
Fluorobenzene	97.9	85-120	%REC		94493 84493	XN
Toluene-d8	100	80-120	%REC		34493	XN XN

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

C - Laboratory not accredited for this parameter

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services water soil air product waste



		8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053	SMITORING & TECH	847-967-6666 fax 847-967-6735
Client	VA John	~ Cody na	Outfall I.D	
Ambient W	Veather <u>13° C/d</u>	m Wind O-S SW	Arrival Time 13:55	Departure Time19115
Sampler I.	D	_ Sampler Type		Meter Type
Battery I.D	~/ 3		. Battery I.D.	7,70
Sampling I	Interval30M	YV	Reading Level	Actual Level
Multiplex_	Con	νp	Total Flow	
Number of	Samples 48	Sample Collected At 14,0	Primary Device	
Time/Flow/		CE/Ref:	Maximum Head Height _	
install	Service	Pul	· · · · · · · · · · · · · · · · · · ·	_ Sampler Start Time
Bottle #	Volume	Description / Comn	•	Sanitary
				SS SS
				Cloudy
				Clear
••		***************************************		,
0,			3.4	Foamy
	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	1Ump 1	<i></i>	Flock
9				Sediment
10		1/1		
11	1/2/	Dors 11/50	Elivind	Other
• • •	, , , , , , , , , , , , , , , , , , , ,			•
13				pH Meter Calibration
				7.0 = <u>ZOY</u>
				4.0 = 4.01
16				10.0 = 10.03
				10.0 - 14.00
				Grab Time 14,05
				Grab pH BL
				Grab Temp_26.
21	***************************************		***************************************	
22	************************************		***************************************	Incoming Meters
23	***************************************	Miller M. C.		_
•		•		
Client Meter Technician_	Flory -	SnRDL Signature	ACTL	//3
Technician_	/ /	Signature	Date	
			,	12

3142897075

	· 1000	عمد	200
		Y	I
		ř	a 🖁
<b>%</b>	Ē		
	_	8	ø
William .	enderen	88	

#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053

fax 847-967-6735

client VA John Cochagn	_ Outfall I.D. Ob I	Eve alilio
43 (2)		
	Arrival Time 19:00	Departure Time/4/10
Battery I.D. 33	Meter I.D.	Meter Type
Compliant	Battery I.D.	
	Reading Level	
Number of Samples Sample Called	Total Flow	
Number of Samples Sample Collected At	·	
	Maximum Head Height _	
Mistall Service Pull	Sample Initiation	Sampler Start Time 14:05
Bottle # Volume Description / Com		•
		Sanitary
1	<u> </u>	∑ ss
3. Jus Manual S	200-11	Cloudy
4.	7710010	
5.		Milky
6	***************************************	Oil Film
7	***************************************	Foamy \
7	***************************************	Flock
8a		Sediment
9.		Color
10		Other
11	***************************************	
12		
13		pH Meter Calibration
14	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7.0 =
15		4.0=
16		10.0 =
17		Grab Time
18		Grab pH
20	***************************************	Grab Temp
		Olab Tentp
	***************************************	
23		Incoming Meters
23.		
24.	***************************************	
Client Meter Flow 0 / Sn RDI	ACT	
Technician / Signature RDL	ACTL R/2/	?
	Date <u>B/24//</u>	<b>)</b>
lechnicianSignature	Date	13



#### ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE 847-967-6666 MORTON GROVE, IL 60053 fax 847-967-6735

3142897075

Client_ // John Codera	Outfall I.D	Date 8/26/13
Ambient Weather 90 Gor Wind 85) SW	Arrival Time 14:15	Departure Time/4;2
Sampler I.D. 3 Sampler Type 15-0		Meter Type
Battery I.DA	1	
Sampling Interval 30 mV	Reading Level	Setual Level
	Total Flow	Actual Level
Number of Samples Sample Collected At	Primary Device	
Time#Plow/Storm ICE/Ref:	Maximum Head Height _	
Install Service Pull		
	Cample initiation	Sampler Start Time <u>14.'</u> ン
Bottle # Volume Description / C	comments	Sanitary
1.		
2,		
3.	1. [ ]	Clear
4	UN SAMPLE	Mitky
6		•
7.		
8		
9		
10		
11.		•
12.		
13.		pH Meter Calibration
14.	······	= 0.7
15		4.0 =
16	***************************************	10.0
17.		Grab Time
18.		
19.		Grab pH
20	***************************************	Grab Temp
21		
22.		Incoming Meters
23.		
24.		•
Client Meter Flow	DL ACTL	,
Technician Signature	Date 8/20/	B
TechnicianSignature	Date	•

MSD 043215

	N. AUSTIN AVENUE	ONLIORING & TECH	INOLOGIES, INC. 847-967-6666 fax 847-967-6735
Client VA John	Codyn	Outfall I.D. OOD	Eu ah
Ambient Weather 13° Uvn W	ind (0-5) SU	Arrival Time 14:18:	Departure Time 14/3
	- ( . :	Motor ID	Departure Time
Battery I.D.		Battery I.D.	Meter Type
Sampling Interval 30~	(	Reading Level	
Multiplex Co-A		Total Flow	
Number of Samples 45 Sample	e Collected At 14,んひ	Primary Device	
Time/Flow/Storm ICE/R	ef	Maximum Hood Hainha	
Install Service	Pull	Maximum Head Height Sample Initiation	Sampler Start Time
Bottle # Volume	Description / Comm	•	
1		,	Sanitary
2			The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
3.	BUT V	2 111	Cloudy
4.	part 1		Clear Milky
5	***************************************		*
0	***************************************	<u> </u>	Foomu
· · · · · · · · · · · · · · · · · · ·		•	
8			Sediment
J	n A	•	Color
10	# 		Other
***************************************		***************************************	
1213		· · · · · · · · · · · · · · · · · · ·	
14. / [15] 1) Dry	- Ovled B	quist	pH Meter Calibration 7.0 = 7.09
15		1/ , ,	4.0 = 401
16	***************************************	:	10.0 = 10.03
17	· · · · · · · · · · · · · · · · · · ·	,	
18.	P1442-4,,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-		Grab Time 19:25
19.		***************************************	Grab pH 7.9
20.	***************************************	************	Grab Temp 23, 2
21.	##\$1.Lesve.oo.uve.oov.oo.uspeeope.vvo.ove.oo.uve.oo.oo.uve.oo.oo.uve.oo.oo.uve.oo.oo.uve.oo.oo.uve.oo.oo.uve.oo		•
			Incoming Meters
23 24			:
Client Meter Flow Sn	RDL_	ACTI	
Technician / telia Signature	Al I	Date 8/7/11	·
~		Date <u>&gt;/* / //</u> )	

Technician_____Signature_____Date_____

15

# **Chain of Custody Record**

Scheduled Sampling Date: Due Date:

08/26/2013 09/06/2013

PROTECTION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	0100110707	nusitii Avenue Muri	ion Grove,	<i>C.C.V.UU J.L</i>	7203 (d	4/) YO	/-0000	FAX:	(847)	967-673	5 Hrun	v.emt.co	m									C	C #	¥	505	5099
1	Michael ) 915 N. G St. Louis (314) 372-	VA Medical Ce F. Stogsdill frand Avenue MO 63106  6973 Proj. #: STL John Cochran			1. D 4. E 7. S 10. ( 13. c 15. C CON P - P B - T PRE 1. No 4. Na 7. Zn 10. 0	ITAINE lestic ediar Ba SERV, ne OH Ace	l Wasto	5. Wi 8. So 11. Vi 13. S	Vipe olid OC Vizi ther SO4 L	Mer		oundwater se 3 H		2. 3. 4. 5. 6. 7. 8.	Solids Oxyge Oxyge Pheno Temp pH, F Semin Fats, Volati	s, Total en, Bio en, Chr ol, Total erature ield tes volatile: Oils, &	Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspended Suspen	Dema Dema Field C/MS 6 (or H	nd (BO nd (CO	D)						
	Sample I.	D.	Sample Type	1	ntainer			S	amp	ling		Prese	vation	1					<u> </u>							
001 Compo	-	· Composite	5	Size 1 litter	Type P	No.	By 102	8		Time	рН	Field 1		1.	2.	3.	4.	5.	6.	7.	8.	9.	10.			
001 Compo	site	Composite	5	500 ml	P		R	<u></u>		14,00		2						<u> </u>	-							
001 Grab		GRAB	5	1 liter	G		定			14:00	<b> </b>	2		<b>!</b>	<b>-</b>		and the second	<b></b>		ļ	<u></u>	<u> </u>				بلا
001 Grab			5	1 liter	<b>L</b> _			A	건	14/05	<u>L.</u>							L		ĺ.						
001 Grab		, ``GRAB			G	1	R	양	37	14'25	8.7	1						13				<u> </u>	-			
		, GRAB	5	1 litter	G	1	R	6/	27	14:05		5								axae.						
001 Grab		GRAB	5	44 m)	V	3	8	8	77	17:05		5					-maratabas				TANES IN	M				
002 Compo		<ul> <li>Composite</li> </ul>	5	1 liter	Р	1	B	8		1400		1			7				-		<del> </del>					
002 Compo	site	Composite	5	500 mi	Р	1	W.	8/2		14.20		2					~~~			-	-					
002 Grab		GRAB	5	1 Ster	Ğ	1	R	-	-	14.N		2									ļ.,					
002 Grab	-	GRA8	5	1 liter	G	1	<b>N</b>	3/2		14:25	79	1									-	******				
Relinguished	d By:	8-27	A Rece	ived By:	housested	TO:	ate:				r. \				MI CONS	ATTER SE										
1)	5	Time: 20: (5:	-1			1	me:													3	71					
Relinquished	By:	Date: -		lived By:	district the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state		me; ete:	- 	-																	
v		Time: : :		-		7.	Die:				231		8				1						30 M			
Relinquished	d By:	Dete:	Rece	ilyed By:		· · · · · · · · · · · · · · · · · · ·	-	-77	h												4	-1.6				
		Time: : :			$\mathcal{Q}$	1	me: 🤈	,															W. I	1		
COCCIAL IN		**************************************									CHARLES AND												100			

PHCA 700 - 704

8/14/2013 10:45:33 AM Page 1



# **Chain of Custody Record**

 Scheduled Sampling Date:
 08/26/2013

 Due Date:
 09/06/2013

processor and the second	8100 North Austin Avenue A	Iorton Gra	ve, IL 60053	3203 (84	17) 967-660	66 FAX: (8-	(7) 967-67	735 201								06/2	.015			
Company: Contact: Address:	St. Louis VA Medical Michael F. Stogsdill 915 N. Grand Avenue St. Louis, MO 63106	Center		SAMI 1. DI 4. Ext 7. Sta 10. CI	PLE TYPE: Water tract ofge hemical Waste Product	2. Orlnki 5. Waste 8. Solid	ng Water water	3. So 6. Oi 9. Air 12. G	ili I		1. F	ats, Oils olatiles t	& Grea	ise (or i	HEM)			CC	)C#	5050
P.O. #: 657-S	(314) 372-6973  SC3115 Proj. #:  tion: YASTL John Cochran			CONT P - Plat B - Ted	FAINER TYPESTEE  FREE  F	V - VOC V O - Other		G - Gk 3. HNO 6. MeO 9. Na2k	355 03 04						,				-	erice No de de
	Sample I.D.	Sample Type	Santana and a second	ntainer		Sam	pling		Prese	rvation										
002 Grab	GRAB	5	Size 1 liter	Type N		Date	Time	рH	Fleld	S	1. 1. 2	3.	4.	5.	6. 1	7.	8. 1	9. 1	10	
002 Grab	GRAB	6	44 ml	+v+	12	877	14:25		6									*	10.	
DOI Coan	7	1	<b></b>	╁┼		(43)	1475		5						7	$\exists$		十		
007 00	and a series of the forest forest control of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of	3	<u> </u>	6	IR	ष्ट्राभ	1472		1			X		7	T	7	十	十		
			16	G		8/2>	'YA'					X								
lelingushed E	Time: 27 IV	å	ved By:	. ]	Date:															
efinquished B	By: Date:		ved By:		Time: Oate:											S				
elinquished B	Time: : :	Receip	e By:	ST	Time: Date: & Time: 20	27-1												0		
III 3 //	RUC HONS;	r	E	ixtan oul Gal	Bo	ottu	colle	11		ぶん		g LA	ત <i>(</i>	) (	i n	-24		8/1	4/2013	0:45:34 AM Page 2

# 12/ 15

5R 8/12

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORM	IATION	_	_ 1008		> 4> 7 - 1	OΈ	)	
Company Name: VA MEDICAL CENT	_							
		Jate.	02/01/2012		Evoiretie	. n. D.	-ta: 04/04/00	47
Premise Address: 915 N. Grand Blvd,		<b>7</b> 4(C.	020172012		CXPIIAUC	אט וווכ	ate: 01/31/20	1 /
Monitoring Period: □(JAN-MAR)		SE(A	PR-ILINE)			ודמב	m/A.	OT DEAL
Samples Collected By:		<b>3</b> (, (			H(30C1-31	-F ( <i>)</i>	Ц(О	CT-DEC)
Analyses Performed By: EMT	Inc			<u>.</u>				
PART II: ANALYTICAL RESULT			MONITORING					-
MSD SAMPLE POINT REFERENCE NUMBERS	□ .	K	001	Ī		7		
DATES ON WHICH SAMPLES WERE COLLECTED	Ð,		<u> </u>	╫		╁		, ;
TIMES AT WHICH SAMPLES WERE COLLECTED	Ö		770000	一	MA footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks and the footbooks	╢		,
PARAMETER	LIMIT	RE	CORD SAMPLE 1	YPES npoole	G (G, C, M OR E) A c, M¤measurad flow,	ND RI E≖eslin	ESULTS BELOW	UNITS
FLOW			84.000			ΤĖ		
			× 1/3-3			╫	7777	
				<b> </b>		╽	<u> </u>	
1 In the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second						╂─		
				T		╢	<u> </u>	
		·	*	<b>†</b>	,	1		
•				1			<u> </u>	
				1		╽	·	
· .						╫		
	· .					╟──		
						-		
·						_		
· · · · · · · · · · · · · · · · · · ·				} 				
		$\neg \uparrow$						
,						<b></b>		
					,			

You must complete and sign the certification statements on the second page.

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORI	MATION				
Company Name: VA MEDICAL CEN	ITER				
Permit No: _1114046000-2	Effective	Date: 02/01/2012	Expira	ation Date:	01/31/2017
Premise Address: 915 N. Grand Blvd			•		
Monitoring Period: □(JAN-MAR	)	TX(APR-JUNE)	□(JULY	-SEPT)	□(OCT-DEC)
Samples Collected By:			<u>.                                    </u>		(====================================
Analyses Performed By:	EM:	T INC			***************************************
PART II: ANALYTICAL RESUL	TS OF S	ELF MONITORING	à		
MSD SAMPLE POINT REFERENCE NUMBERS	9	002		1	
DATES ON WHICH SAMPLES WERE COLLECTED	⇔				1.5
TIMES AT WHICH SAMPLES WERE COLLECTED	ದ		,		. , ,
PARAMETER .	UMIT	RECORD SAMPLE T	YPES (G, C, M OR I apoelle, M=massured li	E) AND RESULT	TS BELOW UNITS
FLOW .		25,000			
			·		
				·	
			19-10-20		
	1			# +-	
	1				
			<del></del>		
				-	
**************************************	<u> </u>				
			_		
			· · · · · · · · · · · · · · · · · · ·	1	

You must complete and sign the certification statements on the second page.



# INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

-- NONE ---

#### PART IV: GENERAL CERTIFICATION STATEMENTS

8	DISCHARGE MONITORING REPORT CERTIFICATION
	All permittees must sign and complete the information below:
	I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant panalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.  Print or type name of signing official:  **MICHAELE STOGSDI!**
	Title: Pipe Fitter Telephone: 314-372-6973  Signature: Mile Ottyfold Date: 8-8-13

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PAR!	r 1: Identifying information	
Comp	oany Name: <u>John Cochran VA Medical Cer</u>	ıtex
Perm	nit No:	
	nise Address: 915 North Grand Bl	
Répo	rting Period: [JAN-MAR]	PR-JUNE) D(JULY-SEPT) D(OCT-DEC)
	II: RECORD OF DISPOSAL OF RADIOACT	
·	DA DTONUCT T DE	ACTIVITY DISCURDED (millionning)
•	RADIONUCLIDE Hay fall	ACTIVITY DISCHARGED (millicuries)
	1119/411	1
•	V.	
٠.		
	·	
	MOMPA PORTIVINA PLOCAPOCA	- N
Į	TOTAL ACTIVITY DISCHARGED:	<u> </u>
PART	III: CERTIFICATION STATEMENTS	,
	your initials in the box under item	
Every	one must complete the information und	
Α.	CERTIFICATION OF COMPLIANCE WITH STA	TE AND FEDERAL REGULATIONS
DA	and 19 CSR Part 20-10.090 governing disposal	on and the Missouri Department of Health, respec-
В.	RADIOACTIVE MATERIALS DISCHARGE REPOR	RT CERTIFICATION
directi properl persons the inf	fy under penalty of Law that this document a on or supervision in accordance with a systemy gather and evaluate the information submit who manage the system, or those persons direction submitted is, to the best of my knoware that there are significant penalties for lity of fine and imprisonment for knowing vi	m designed to assure that qualified personnel ted. Based on my inquity of the person or ectly responsible for gathering the information, wledge and belief, true, accurate, and complete submitting false information, including the
Print	type name of signing official:	Larry Chandler, MSRES
Ticle:	Radiation Safety Officer	Telephone: 314-289-6348
Signat		Date:
-		A / tadipt.doc 2700

8100 North Austin • Morton Grove, IL 60053-3203 • 847,967.6666 • 800.246.0663 • fax: 847,967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT: Lab Order: St. Louis VA Medical Center

13041112

Project: Lab ID: VASTL John Cochran

13041112-02

Client Sample ID: 001 Grab

Report Date: 5/8/2013

Collection Date: 4/30/2013 12:45:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reporti Limit	ag Units	Date Analyze	d Batch	Analyst
On-site pH by lon Selective Electrode	•	Method:	SM4500-H			
PΗ	7.20		pH units	4/30/13 12:45	R184843	AR
Temperature Centigrade		Method:	SM2550-B			
Temperature	20.5	1.	"C	4/30/13 12:45	R184843	AR
Hexane Extractable Materials, (FOG)		Method:	E1664A			
Oil and Gresse (HEM)	84.0	4.00	mg/L	5/7/13 09:00	R185227	UR1
Phenolics		Method:	E420,1 REV.1978 B1	AQUACHEM		
Phenolics, Total Recoverable	0.025	0.005	mg/L	5/8/13 13:14	81628	JZ1

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitution limits

environmental laboratory and testing services product air 🖟 soil waste water §

MSD 043223

8100 North Austin • Morton Grove, IL 50053-3203 847.967.6666 • 600.246.0663 • fax: 347.967.6735 • www.onit.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Lob Order:

13041112

Project:

VASTL John Cochran

Lab ID:

13041112-01

Client Sample ID: 001 Composite

Report Date: 5/8/2013

Collection Date: 4/30/2013 12:55:00 PM

Motrix: Wastewater

Analyses	Result	EMT Reporti Limit	ng	Date Analyze	ed Batch Analyst
BOD, 5 Day, 20°C		Method:	SM5210 B		
Blochemical Oxygen Demand	135	15.0	mg/L .	5/1/13 14:19	R185059 SL1
Chemical Oxygen Demand	3	Method:	HACH 8000		
Chemical Oxygen Demand	294	5.00	mg/L	5/1/13 11:40	R184888 LS3
Total Suspended Solids		Method:	SM2540D		
Suspended Solids (Residue, Non- Filterable)	32.0	10.0	mg/L	5/2/13 11:45	R184980 TB2

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services air product soil waste water

8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 300.246.0663 • fax: 347.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT: Lab Order: St. Louis VA Medical Center

13041112

Lab ID:

13041112-04

Project:

VASTL John Cochran

Client Sample ID: 002 Grab

Report Date: 5/8/2013

Collection Date: 4/30/2013 1:15:00 PM

Matrix: Wastewater

Analyses	Result	EMT Reportii Limit	lg Upits	Date Analyzed	Batch	Analyst						
On-site pH by Ion Selective Electrode		Method:	SM4500-H	F								
Hq	7.30		pH units	4/30/13 13:15	R184843	AŔ						
Temperature Centigrade		Method:	SM2550-B									
Temperature	32.6	1.	·c	4/30/13 13:15	R184843	AR						
Hexane Extractable Materials, (FOG)		Method:	E1664A									
Oil and Grease (HEM)	29.9	4.00	mg/L	5/7/13 09:00	R185227	UR1						
Phenolics		Method:	E420.1 REV.1978 BY	'AQUACHEM								
Phenolics, Total Recoverable	0.01	0.005	mg/L	5/8/13 13:14	81628	JZ1						

Qualifiers:

B - Analyte detected in the associated Method Blank

B - Estimated

H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPO outside accepted recovery limits

J - Analyte detected below quantitation limits

environmental laboratory and testing services

product air | waste water § soil

8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.5735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

13041112

Lab Order: Project:

VASTL John Cochran

Client Sample ID: 002 Composite

Report Date: 5/8/2013

Collection Date: 4/30/2013 1:10:00 PM

Matrix: Wastewater

Lab ID:

13041112-03

Analyses	Result	EMT Reporti Limit	ng	Date Analyzed	Batch Analyst
BOD, 5 Day, 20°C		Method:	SM5210 B		
Blochemical Oxygen Demand	40.1	. 15.0	mg/L	5/1/13 14;19	R185059 SL1
Chemical Oxygen Demand	•	Method;	HAÇH 8000		
Chemical Oxygen Demand	70,5	5.00	mg/L	5/1/13 11:50	R184892 LS3
Total Suspended Solids		Method:	SM2540D		•
Suspended Solids (Residue, Non- Filterable)	52.0	10.0	mg/L	5/2/13 11:45	R184980 TB2

Qualifiers:

B - Analyte detected in the associated Method Blunk

S - Spike Recovery outside accepted recovery limits

E - Estimated

R - RPD outside accepted recovery limits

H - Holding Time Exceeded

J - Analyte detected below quantitation limits

6

environmental laboratory and testing services air product soil waste water

اللع الم	8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053	•	0LOGIES, INC. 847-967-6666 fax 847-967-6735
Client John (100	Juan .	Outfall I.D.	Date 4/29//3
Ambient Weather 15/16	w Wind (0-5) h	Arrival Time 12:55	_Departure Time
Sampler I.D. 45	_ Sampler Type /S/D	Meter I.D.	_ Meter Type
Battery I.D6		Battery I.D.	
Sampling Interval 32			_ Actual Level
Multiplex Co	ery	. Total Flow	
Number of Samples	Sample Collected At	Primary Device	
Umo/Row/Storm	ICE/Ref:	Maximum Head Height	-
Install Service	Pull		_ Sampler Start Time/31&
Bottle # Volume	Description / Comr	•	Sanitary
	······································		- A .
		/	
4. 20	OD LANUAL	/Amalt	Milky
	,		Oil Film
	**************************************		Foamy
		·	,
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		O45-ma · · · · · ·
12,	15 4850 81 14 24 2 1 1 25 1 4 1 27 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
13,	"1 	\$346(3346)1473346634413470014645701477(17-77-16	pH Meter Calibration
14,			7.0 =
15	. we the harmout the first of the fact and the first of the first of the fact at the first of the fact at the first of the fact at the first of the fact at the first of the fact at the first of the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the fact at the	53_61334613-03-815-613311631164177485*21117*>********************************	4.0 =
16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	55491797437447444	10.0 =
17. wp-u	1412.502.517.6417.5206.0797.51722407744.144.444.4444.1418.00078614.004777774		Grab Time
18		tidalandilikio momony y oriny y hopely i i napatigododon od mog by py proper	Grab pH
19	daddddan (ann brang na i gwyn yng yn gyg yr agog gragodd gaell gae i da ac i bah dan da bran an gragon ar greg		Grab Temp
20	***************************************	***************************************	5.00 tomp
21,	erflere be mereteres costatui farca des mereteres de l'estifiques.		l
22	10-161-1-1611-16-161-16-16-16-16-16-16-16-		Incoming Meters
23	**************************************		
24	(CHILLIAN INTERPRETATION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF TH		
Olicul Markov Floris	Sp RD	1	
Client Meter Flow Technician	Signature Signature	Date 4/2/	1/0
Technician	Signature	Date	

الله الله	ENVIRONMENTAL MO 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053		847-967-6666 fax 847-967-6735
Sampler I.D	✓ Wind O V W Sampler Type USG	Meter I.D.	Departure Time/3, 22 Meter Type
Multiplex		Total Flow	
Service	Pull	Sample Initiation	Sampler Start Time 13215
2	JOD Alam	9 / 2000/	Cloudy Chear Milkx Oil Film Foamy Flock Sediment Color Other
13			pH Meter Calibration 7.0 = 4.0 = 10.0 = Grab Time Grab Temp Incoming Meters

CT 8	ENVIRONMENTAL MOI 100 N. AUSTIN AVENUE MORTON GROVE, IL 60053	nitoring & techn	OLOGIES, INC. 847-967-6666 fax 847-967-6735
Sampler I.D. 45 S	_Wind (8-5) &/	Meter I.D.	Date 4/30/13  Departure Time 1 3'0)  Meter Type
Sampling Interval  Multiplex  Number of Samples 48  Sampling Samples 48  Samples 48  Samples 48  Samples 48		_lotal Flow	_Actual Level
· · · · · · · · · · · · · · · · · · ·	CE/Ref.	Maximum Head Height Sample Initiation	
Bottle # Volume  1		3/2/	Clear Milky Oil Film Foamy Flock Sediment Color
12			Grab Temp 30,5
21. 22. 23. 24. Client Meter Flow			Incoming Meters

Technician Signature Date



# ENVIRONMENTAL MONITORING & TECHNOLOGIES, INC. 8100 N. AUSTIN AVENUE MORTON GROVE, IL 60053

847-967-6666 fax 847-967-6735

Client John Coches	Outfall I.D. DOD Date 4/30/15
Dog /	
, · · · · · · · · · · · · · · · · · · ·	Arrival Time 13:125 Departure Time 13:20
	Meter I.D Meter Type
Battery I.D.	
Sampling Interval 30 ac	Reading LevelActual Level
wuldplex	. Total Flow
Number of Samples 48 Sample Collected At 310	Primary Device
Cime/Flow/Storm ICE/Ref:	Maximum Head Height
Install Service Pull	Sample Initiation Sampler Start Time
Bottle # Volume Description / Com	ments Sanitary
1.	22
2	Cloudy
3.	Clear
4.	Milky
5,,	Oil Film
6,	Foamy
7.	Flock
8	Sediment
9,	Color
10,	Other
11. ———————————————————————————————————	
12.	1 V for the first and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco
13,	pH Meter Calibration 7,0 = ₹Q\$
14.	4.0 = <u>401</u>
15	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
16.	10.0 = 7.74
17	Grab Time 18,15
18	Grab pH <u> </u>
19	Grab Temp 328
20	
21,	Imparming Motors
22	Incoming Meters
23	
24,	//////////////////////////////////////
Client Meter Flow Sn RD	LAGTL
Technician At- Value Signature )	Date 4/3×/4
Technician Signature	Date

# Chain of Custody Record

Scheduled SampEng Date Oue Date:

04/29/2013 05/17/2013

8100 N	orth Austin Avenue. Afort	on Grave,	1Ļ 60053-3	203 (5	347) 80	7-1-656	FA	X:13-17	967-673	ร พเก	:: <i>EP</i> 1/.C	077									C	QC :	# 5050 <b>1</b> 1
Company: St. Louis VA Medical Center  Contact: Edward Beaty  Address: 915 N. Grand Avenue  St. Louis, MO 63106				1.0 4.8 7.5 10.1	APLE 1 CV/abr a) aci ludge Chemica EProduc Xher	d Wasse	5. 8. 11	. Out hy . Y/astew . Sold I. Vilpe I. Sold			curd arte urdmale		2. 3.	Analysis  1. Solids, Total Suspended (TSS)  2. Oxygen, Biological Demand (BOD)  3. Oxygen, Chemical Demand (COD)  4. Phanol, Total									
Dhamas (218)	200 4460			P.P	VITAINI Lassic Believ (La	ER TYP	٧.	. VOC \5	al	C - GLa	ŝŝ			Esta FH. F			Field	-		•			EMT USE ONLY
P.O. 8: 657-SC3115	289-6450 Proj. 8:  VASTL John Cochran			1	SERV XOS SOH Aco	ATIVE:	2. i 5. i	H2SO4 HCL N32S20	,	3. HNO 6. 150 9. NaZ	Н			Semi Fas,				EVŪ					WORKERDER 1204
Sam	ple I.D.	Sample Type		ntainer				Sam			Prese	rvation	<u>_</u> _										
001 Camposile	Composts	5	Size 1 liter	Type P	№o. 1	By	1-	30	Time	рН	Field	Lab	1.	2.	3.	4.	δ.	6,	7.	-8.	9.	10.	Lab Sample I.D.:
001 Composile	Composite	5	500 ml	P	1	10	1	7	12/55	-	2	3/2	X	A		-	-		├	├		-	OIA
001 Grab	GRAB	5	1 Mer	G	1	R	1	3>	<del>                                     </del>		5			-			-	-	-	-	├	┼	BIB
01 Grab	GRAĐ	6	1 liler	G	78	<del></del>	T	<u>حد ا</u>	12:45	-	-	13.34 13.44 13.44		-		X		×	2375	_	<del> </del>	╂—	624
001 Grab	GRAB	5	1 Ner	G	9	2	Ή	<u>30</u>	12:45	2,	5	Selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the select	-	-			X	×	X	1	<del> </del>	╄	OAB
002 Composite	Composite	6 -	1 filer	р	1	0	4	30 50	13/6	14	,	2.55°C			-				├	X		╂—	CSC.
002 Composite	Comp asite	5	500 กาล	P	1	R	+	30	131/0	<del> </del>	2	(1) (N)	0		X				-	<u> </u>	├	_	634
002 Grab	GRAB	5	1 liter	G	1	8	17		1315	-	2	A		· -	(7)				├	├-	-	├	025
002 Grab	GRAB	5	1 liter	G	2 %	6.13		30	<del> </del>	7.3	1							18-17			-	<u> </u>	0.971
002 Grab	GR.⊀8	5	1 liter	G	1	n	1~	30 3-	13/1	12	5		_	-	-			X	X	-	_	_	048
Relinquished By: Relinquished By:	Date: / 25 %	:	ived By:		т	ale: ime:	:	:	-	(D:	٠,	EMT (ASTL		ON	ĹΫ	ingrammad			Y.X.	TEA	<b>PE</b> R	ATU	EIVED ON ICE RE
remiquality.	_	. Rece	eived by.		-	ale: ime:	:	:	Client EMT			Valhan VÅSTE		Coc	hristo	-		•. •		WES	great		n 8 has prior to
Relinquished By:	Dale: Time: :	Rece	pred By:		1	ele:9		. 1	Jar Lo	Λ Noi		Carrie				1.			-		3		
SPECIAL INSTRU	ICTIONS:	Û	Hall		7.	60	,	7.	03			K	ill	/ /	ا/-ن	-	00'l		•	٥,5 کرون		4/22	V2013 12:23:39 PM Page I

MSD SI

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORM	MATION			•	•		
Company Name: VA MEDICAL CEN	TER -	1008.	-545	9-00			
		Date: 02/0			tion Date: (	01/21/20	4 '7
Premise Address: 915 N. Grand Blvd,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Expira	non pare.	J 1/3 1/2U	<i>i /</i>
Monitoring Period: MIJAN-MAR)		□(APR-J	UNF)		SEPT)		O75 m
Samples Collected By:		_	,	\(\mathcal{O} \)	OCI ()	UO	CT-DEC)
Analyses Performed By:							
PART II: ANALYTICAL RESULT	S OF SI	ELF MONI	TORING				
MSD SAMPLE POINT REFERENCE NUMBERS	\$	00	7/		1	T. Commission	I ·
DATES ON WHICH SAMPLES WERE COLLECTED	0						
TIMES AT WHICH SAMPLES WERE COLLECTED	ರ						<u>'</u>
PARAMETER	LIMIT	RECORD ( G=	SAMPLE TYP	PES (G. C. M OR E	AND RESULT	S BELOW	UNITS
FLOW .		8	1.00		ALE CONTINUES IN	W )	
·			-	<u> </u>			
			<del>-</del>				
·					-		
·		·				1	
				,			
						<u> </u>	
		_					
					4-4-		
					<del>                                     </del>		
		<del></del>					
				<u>`</u>	<b>}</b>		
					<b> </b>		
				·			
		1					

You must complete and sign the certification statements on the second page.

6 /9 #

10:94368753 ;3142896569

05-01-13;07:00 ;From:

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORI	MATION					
Company Name: VA MEDICAL CEN	ITER		•			
Permit No: 1114046000-2	Effective	Date: 02/01/20	112	Expiration	on Date; 01/3	31/2017
Premise Address: 915 N. Grand Blvd				and the second	on boto, 6 m	3 1/20 1/
Monitoring Period: DAN-MAR	)	□(APR-JUNE	)	□(JULY-S	EPT)	□(OCT-DEC)
Samples Collected By:		· 	, 	_(*************************************	_, ,	D(OCI-DEC)
Analyses Performed By:	MT	Inc				-
PART II: ANALYTICAL RESUL	TS OF SI	ELF MONITOR	ING			
MSD SAMPLE POINT REFERENCE NUMBERS	⇔	002		A C C C C C C C C C C C C C C C C C C C	1	
DATES ON WHICH SAMPLES WERE COLLECTED	D					
TIMES AT WHICH SAMPLES WERE COLLECTED	\$					
PARAMETER	LIMIT	RECORD SAMP	LE TYPES	(G. C. M OR E) A	ND RESULTS BE É≃ásilmaied flow )	. 11
FLOW		75.C			T .	
					1	7000000
					<del>                                     </del>	
				* 1111		
7		<u> </u>				
					<del></del>	
			1			
			1			
· .			$\rightarrow$			
			$\dashv$			
			$\dashv$			
		707	<del></del>			
			+			
7111			+			
	-					
				J	1	

You must complete and sign the certification statements on the second page.

6 /8 #

10:64368753 ;3142896569

02-01-13:03:00 ; Ekom:

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

# PART III: SPECIAL CERTIFICATION STATEMENTS

Besed on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

-- NONE ---

# PART IV: GENERAL CERTIFICATION STATEMENTS

8	DISCHARGE MONITORING REPORT CERTIFICATION
	All permittees must sign and complete the information below:
	I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted information, including the possibility of fine and imprisonment for knowing violations.  Print or type name of signing official;
	Thle:

2

8100 North Austin - Morton Grove, IL 60053-3203 847.967.6666 * 800.246.0663 * fax: 847.967.6735 * www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Client Sample ID: 001 Grab

Lab Order:

13020354

Report Date: 2/19/2013

Project

VASTL John Cochran

Collection Date: 2/12/2013 1:45:00 PM

Lab ID:

13020354-02

Matrix: Wastewater

Analyses	Result	EMT Reporti Limit		Date Analyzed	Batch A	tch Analyst	
On-site pH by Ion Selective Electrode		Method:	SM4500-H			,	
PΗ	7.3		pH units	2/13/13 13:45	R181457	AR	
Temperature Contigrade		Method:	SM2550-B				
Temperatura	8.9	1,	.c	2/13/13 13:45	R181457	AR	
Hexane Extractable Materials, (FOG)	•	Method:	E1664A				
Oil and Grease (HEM)	13.2	4.	mg/L	2/18/13 09:00	R181751	UR1	
Phenolics		Method:	E420.1 REV.1978 BY	AQUACHEM			
Phenolics, Total Recoverable	0.113	0.005	mg/L	2/15/13 13:06	80012	CS2	

Qualifiers:

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits

H - Holding Time Exceeded

J - Analyte detected below quantitation limits

environmental laboratory and testing services water soil air product waste

11 /8 #

:3147896269

10:94368753

04-30-13:00:22 ;From:

8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT: Lab Order: St. Louis VA Medical Center

13020354

Project: Lab ID:

VASTL John Cochran

13020354-01

Client Sample ID: 001 Composite

Report Date: 2/19/2013

Collection Date: 2/12/2013 1:50:00 PM

Mntrix: Wastewater

Result	EMT Reportin Limit	ng Units	Date Analyzed	Batch Applyst
	Mothod:	SM5210 B		
84.	15.	mg/L	2/13/13 13:45	R181681 YW
	Method:	HACH 8000		
304.	5.	mg/L	2/14/13 09:00	R181533 LS3
	Method:	SM2540D		
40.	10.	mg/L	2/14/13 11:05	R181586 TB2
	84.	Result Reporting Limit  Mothod: 84. 15.  Method: 304. 5.  Method:	Result         Reporting Limit         Units           Mothod:         SM5210 B           84.         15.         mg/L           Method:         HACH 8000           304.         5.         mg/L           Method:         SM2540D	Result         Reporting Limit         Units         Date Analyzed           Mothod:         SM5210 B         2/13/13 13:45           Method:         HACH 8000         2/14/13 09:00           Method:         SM2540D

Qualifiers:

B - Analyte detected in the associated Method Blank

E - Estimated

11 - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitution limits

environmental laboratory and testing services air product

water

soil

waste

8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

#### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Client Sample ID; 002 Grab

Lab Order:

13020355

Report Date: 2/19/2013

Project:

VASTL John Cochran

Collection Date: 2/12/2013 2:15:00 PM

Lab ID:

13020355-02

Matrix: Wastewater

220 20.						
Anulyses	Result	EMT Reporti Limit	W You like	Date Anslyze	d Batch	Analyst
On-site pH by ion Selective Electrode		Method:	SM4500-H			
рH	7.9		pH units	2/12/13 14:15	R181458	AR
Temperature Centigrado		Method:	SM2550-B			
Temperature	10.3	1.	,c	2/12/13 14:15	R181458	AR
Hexane Extractable Materials, (FOG)		Method:	E1664A			
Oll and Grease (HEM)	198.	4.	mg/L	2/18/13 09:00	R181751	UR1
Phenolics		Mothod:	E420,1 REV.1978 BY	Y AQUACHEM		
Phenolics, Total Recoverable	0.018	0.00\$	mg/L	2/15/13 13:06	80012	CS2

Qualifiers:

B - Analyte detected in the associated Method Blank

5 - Estimated

H - Holding Timo Exceeded

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyto detected below quantitation limits

environmental laboratory and testing services soil product water air waste

11 /8 #

:3142896569

To:94368753

04-30-13:00:22 ;From:

### ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin • Morton Grove, IL 60053-3203 847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

### Report of Laboratory Analysis

CLIENT:

St. Louis VA Medical Center

Client Sample ID: 002 Composite

Lab Order:

13020355

Report Date: 2/19/2013

Project:

VASTL John Cochran

Collection Date: 2/12/2013 2:10:00 PM

Lab ID:

13020355-01

Matrix: Wastewater

Analyses	Result	EMT Reporti Limit		Date Analyzed	Butch Analyst
BOD, 5 Day, 20°C		Method:	SM5210 B		
Blochemical Oxygen Demand	<b>35</b> .	15.	mg/L	2/13/13 13:45	R181681 YW
Chemical Oxygen Demand		Method:	HACH 8000		
Chemical Oxygen Demand	89,5	<b>5</b> .	mg/L	2/17/13 13:10	R181687 LS3
Total Suspended Solids		Method:	SM2540D		
Suspended Sollds (Residue, Non- Filtarable)	129.	10.	mg/L	2/14/13 11:05	R181588 TB2

Qualifiers:

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Estimated

R - RPD outside accepted recovery limits

H - Holding Time Exceeded

1 - Analyse detected below quantitation limits

environmental laboratory and testing services water soil air product waste

11 /1 #

13145896269

10:94368753

04-30-13:00:22 ;From:

MONITORING & ENVIRONMENTAL

# Chain of Custody Record

Scheduled Sampling Date: 02/11/2013

001 Grab 001 Grab SPECIAL INSTRUCTIONS: Relinquished By: 001 Grab Project /Location: VASTL/Dela Cocherate P.O. #: 657-SC31 15 Relinquished by Phoat: Confact: Сопфаву: Addres: TECHNOLOGIES, INC. (314) 289-6450 8100 North Austin Avenue Harian Grave. IL 60053-1201 (841) 967-6666 FAX:(847) 967-6715 mint call com St. Louis, MO 63106 915 N. Grand Avenue St Louis VA Medical Center Edward Beaty Sample I.O. Data: Time: EHTW: Date: Time: 30: 00: Dab: 2 -12 1) Received By Pro). 8: CRA8 gy855 8763 Sample Тура Received By: O O PHCA ( 7.00 - 7.01 April J Ē Container ON NO. 4. NaOH 7. Zn kce 10. Other 7. Strigg 10. Obertail Waste 11. EPITALT PRESERVATTYE وهه تطاعة 6 - 8 P-Pastc LOWER TYPE: CONTAINER TYPE: AND Y 4. Extract Tamo: 20:04: 12 4. Liang THE: Cale: Dale: 1 2 H2901 5. HCL 8. 11225203 Y-YOCYM 2 Drinting 'Yaler S. Washaribr CL SOLD S. SIKITU Character 9 134 13,5 J. HUKOJ 8. NAZHSOM 9. NAZHSOM ž C · Class (4. Grove de san [Figur) 12 Grandyater THE REAL PROPERTY. Preservation Galed and 3. pH, Fledd lessless 4. Seaming deathers by GCALIAS Phenol, Total. Falts, Oils, & Grease (or HELI) Temperature in C, Field <u>ب</u> <u>به</u> Analysis 02/28/2013 COC # 2/7/2013 [0:15:49 AM 504903

8

11 /6

they gave time B.g.

Extra aunt tom How

:3147896269

10:04368753

:From: 04-30-13:00:55

MONITORING & ENVIRONMENTAL

# Chain of Custody Record

Scheduled Sampling Date: 02/11/2013

001 Camposite 001 Composite SPECIAL INSTRUCTIONS: P.O. 8: 657-SC3115 Company: Relinquished By: Project /Lacation: Conlact: Relinquished By: Religious hed By: Address: TECHNOLOGIES, INC. 8100 North Awdin Avenue Marion Grove, IL 60053-1201 (817) 967-6666 FAX:(817) 967-6735 www.ent.com 915 N. Grand Avenue St. Louis, MD 63106 Edward Beaty St Louis VA Medical Center (314) 289-6450 Sample (.D. VASIT. Inha Cochrac Dale: Date Time Time: 30: 04 Dale: 2 -12 1) Received By Time: Proj. 🏶: Consosite Comp osize Sample 쳪 O Received By 200 500 ml [ fler Size Container Type No. 7. Skulge 10. Chemikal Hizsto 11. eProduct SAMPLE TYPE: 4. N-30H PRESERVATIVE 8 - Testlar Baş CONTAINER TYPE: F410 3 A. Exten Dale: Dale 中でインフ Time: 30 0 Time: Eme: Ву E HAZSTOJ 313/13/13:51 ग्रीकी 0.01 PA SON - A 2. Drin Ward Warder 5. Wastewater 5. Sept. F 505 Date Sampling 1350 The second HOSHPEN B HOPTY Y CATH'Y G-Ges 30.4 E I (Groundwater print) 12 Greandwater Flekt House Preservation Owe Date: Oxygen, Chemical Demand (COD) 1. Softs, Told Suspended (TSS) Oxygen, Biological Derrand (BOD) Analysis . 5. 6. 7. 02/28/2013 œ ص COC # 10. 300 2/7/2013 10:15:41 AM 504903

9

MONITORING & TECHNOLOGIES, INC. ENVIRONMENTAL

Chain of Custody Record

Due Date:

Scheduled Sampling Date: 02/11/2013

02/28/2013

002 Grab 002 Grab 002 Grab P.O. . 657-\$C3115 Phone: Project/Location: YASTL John Cochean Coppad: Company: Address: Relinquished By: Relinquished By: Religionaned By 8100 North Austin Avenue Morton Grove, IL 60057-3203 (847) 967-6665 FAX: [847] 967-6715 Hithicant rons (214) 289-5450 915 N. Grand Avenue St. Louis, MO 63106 St Louis VA Medical Center Edward Beaty Sample J.C. Dale: Date Dale: 3/12 13 Received By Time: Time: Time: 20: 05 : Proj. #: GF. GRA-B GRAB B Sample Type Received By: Size 1 Her 1 liter 1 linber Container Type No. SAMPLE TYPE
1, DI WAS
4, ENTAI
7, SLOSE
10, Chambal Wash
13, EProduct 7. Zn Acas 13. Odbar CONTAINER TYPE: 15 OODA PRESERVATIVE: Dale: Date: bate: ソード マ Time: 23: 08. Time: A-A00 AP 12 Juniolege 55411 64211K 2 HZ5C4 5. HCL 8. HZ5703 2 Dixiling Waler 5 Washeards 8 Sold 11 Wign 13 Sold Sampling Time pH Field 14 3 63 3. HH03 6. Mach 9. Nach504 G-Gass 12 Groundwater
14 Oroundwater(Filest) 3. Sol 6. O1 9. A3 Preservation 5. Fats, Oils, & Grease for HEA) 3. pH, Fleid bested Privator, Total Temperature in C., Field 3. 4. 5. 6. 7. 8. COC # 504903

10

11/7

SPECIAL INSTRUCTIONS:

10.7-00.7 Jas Hg

Fixed Quest Taxes Hone

#2 goes for 10.8.

2/7/2013 10:15:50 AM

13147896269

10:94368753

;From: 04-30-13:00:55

ENVIRONMENTAL

MONITORING &

TECHNOLOGIES, INC.

Chain of Custody Record

Due Dale:

Scheduled Sampling Date: 02/11/2013

02/28/2013

2/7/2013 10:15:50 AM														IONS:	SPECIAL INSTRUCTIONS:	SPECIAL
								. B	Time: 22 (%)	=	0	1	-	Time:		
							Ì	بار الح رائي	41- 7 :01EG	7	<b>y</b>	) B	Rece	Dale:	hed By:	Relinquished By:
			1	40				.,	Tima:	=				Time: : :		
i di i				-				•	Date:	Q	Υ.	Received By:		Dale:	fed By:	(elinquished By:
A THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE		1.11 1.11							Time:	ח				Tame: 20: 00	2	
$[i,j] \sim (\epsilon^{D}) \epsilon^{D} (1)$	, e /			e New York				,	Date:	D	<i>Y</i> :	Received By:	3 Rec	Dale: 3, 12 13	hed By:	Relinguished By:
ī	A-G-										_					
		-		ME LIN					_		$\vdash$					
		_							_		-		,			
		_							_						-	
		-							<u> </u>		lacksquare					endikalija unomonu
									-		$\dagger$					
		-								仜	T				Monogen and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	
											┢		Q()	300000		
- 0/0			N.		2		14:16	日日	न		ס	E 000	Un	Composite	posite	002 Composite
				183	-		97.31	23	B		V	1 Iter	ა	Composite	posite	002 Composite
9. 10. [22] 35-]1-41-3	[6.] 7.] 6.] 8	4. 5.	2. 3.	1:	Fleki Kate	升	Time	Date	ΒŲ	₹	Туре	Size	Тура	о.	Sample (.D.	
				ŽJ.	Preservation	-	īna	Sampling			Container		Samole			
					8	9. Hazilson		E NESSEN 3		7. In Ace 19. Other	7.2			YASU. John Cochien	16.	Project Alocation:
					,	EDINT.		2. H2SO4		PRESERVATIVE:	25.2			Proj. #:	SCHIS	P.O. # 857-SC2115
	•					G- (dag		A-AOC NIP	ίψ	CONTAINER TYPE: P-Passe B-Tedlar Bag	0 0 m			6450	(314) 289-6450	Phone:
	nd (COD)	пісаі Дегла	3. Oxygen, Chemical Demand (COD)		(Commonate)Plan)	I C Groundwater		is sold		17 69, before	<u> </u>			St. Louis, MO 63106	St. Louis,	Apgress:
	and (800)	zjical Dema	Oxygan, Biological Demand (800)		Ţ	9.4	ţ	A SOR		7. Stados	3 7 6			Car.	Edward Beary	Context:
	Analysis	Analys	Splick Tobi	1 .		3 S	Yars	2 Dánting \Yats		SAMPLE TYPE			let.	St. Louis VA Medical Center	St. Louis	Соправу:
COC# 504903	C				ATEL COSTI	NACA 6	967-673	FAX:(847) 967-6735 WWW. emal.com		A7) 967	3201 R	IL GOOS 3	u Grose,	8100 Marih Austin Avenue Moman Grove, IL 80033-3203 (847) 967-4666	8100 North A	
	•				Andersoniversonius		A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH			000000000000000000000000000000000000000		deregales properties p	44.1	A DE CALL CALC GARD) ALL	***************************************	Bergerensen

11

Page 3

0,

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

Men

PART 1: IDENTIFYING INFORMATION	1008-5459-00
Company Name:John Cochran VA Medical Ce	enter
Permit No:	
Premise Address: 915 North Grand B	
Reporting Period: JAN-MAR)	APR-JUNE) D(JULY-SEPT) D(OCT-DEC)
PART II: RECORD OF DISPOSAL OF RADIOAC	
RADIONUCLIDE	
) / //	ACTIVITY DISCHARGED (millicuries)
thy/all	7/
	4
	-
	·
·	
TOTAL ACTIVITY DISCHARGED:	
DADM TIT. CONDITION OF CHAMCACON	
PART III: CERTIFICATION STATEMENTS	•
Place your initials in the box under item Everyone must complete the information un	N A. nder items A & B and sign this report.
A. CERTIFICATION OF COMPLIANCE WITH ST	
I certify that to the best of my knowledge	6 belief, all requirements of 10 CMR Part 20,2003
\vert      and 19 CSR Part 20-10.090 governing disposa	l by release into sanitary sewage for material
B. RADIOACTIVE MATERIALS DISCHARGE REPO	ORT CERTIFICATION
I_certify_under_penalty-of-Law that this document direction or supervision in accordance with a syst properly gather and evaluate the information submipersons who manage the system, or those persons dithe information submitted is, to the best of my kn I am aware that there are significant penalties for the system.	em designed to assure that qualified personnel tend. Based on my inquiry of the person or rectly responsible for gathering the information, lowledge and belief, true, accurate, and complete or submitting false information, including the
possibility of fine and imprisonment for knowing v	
Print/type name of signing official:	•
Title: Radiotion Safety Officer	Telephone: 314-789-6348
Signature: Aug Mandle	Date:
	( L



### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I; **IDENTIFYING INFORMATION** 

Company Name:

VA Medical Center

Permit No:

-1114046000-

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

| |(JAN-MAR)

| |(APR-JUNE)

[ [(JULY-SEPT)

IXI(OCT-DEC)

Samples Collected By:

Larry Oliver, PDC Laboratories, Inc. - StLouis

Analyses Performed By: PDC Laboratories, Inc. - St.Louis

### ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUMBER		3	001	7				
DATES ON WHICH SAMPLES WERE COLLE			10/15-16/2012	╫		_	,	
TIMES AT WHICH SAMPLES WHERE COLLE	CTEO	}	11:30-11:30	╢	Solotonononono), A.,			-
PARAMETER	LIMIT		•			············		UNITS
FLOW		E	84,000	1				-
Biochemical Oxygen Demand		С	22	$\dagger$		-		GPD
Chemical Oxygen Demand		·C	74	⇈		-		mg/L
Oil & Gréase	200	G	6.1	T		╫	<b>+</b>	mg/L
рН	5.5 - 11.5	G	10.1	1				mg/L
Temperature	60	G	20,6	╫	·	$-\parallel$	<u> </u>	· Units
Total Suspended Solids	777	С	6.8	⇈		$\dashv$		*C
Silver (total)	0.5	С	<0.0020	┢	<del>                                     </del>	╌╟╴	<del></del>	mg/L
Total Toxic Organics (TTO)	5.5	C,G	0.046	┢	<del>                                     </del>	_		mg/L
Phenol		G	<0.050	┢		$\dashv$		mg/L
			-0.000	┢		╌╟╌		mg/L
				╟─		╼╫╼	<del> </del>	mg/L
				╟─				mg/L
				⊩				mg/L
	,	$\vdash$	,	<b> </b>			<u> </u>	mg/L
		$\vdash$		<b> </b>		-∦-		
		$\vdash$						
		<del></del>				_ _		
						_ _		
		l				1		

You must complete and sign the certification statements on the reverse side.

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I: IDENTIFYIN	G INFORMATION
Company Name:	VA Medical Center
Permit No:	1114946000
Premise Address:	915 N. Grand Blvd., St. Louis, MO 63106
Monitoring Period:	(JAN-MAR)     (APR-JUNE)       (JULY-SEPT)   X   (OCT-DEC)
Samples Collected By:	Larry Oliver, PDC Laboratories, Inc StLouis
Analyses Performed By:	PDC Laboratories, Inc St.Louis
ANALYTICAL DEGLUMA	

ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUM		3	002	T			$\overline{\Gamma}$		1
DATES ON WHICH SAMPLES WERE COI			10/15-16/2012	1	West		#		1
TIMES AT WHICH SAMPLES WHERE CO	LUECTED	1	12:00-12:00			7 77 300000	╫		╢~~~~
PARAMETER	LIMIT					ı			UNITS
FLOW		E	25,000	T	<u> </u>		T		GPD
Biochemical Oxygen Demand	_	С	43				什		1
Chemical Oxygon Demand		С	87	╫			╫─		mg/L
Oil & Grease	200	G	<5.0	╢─		-	╢		mg/L
рН	5.5 - 11.5	G	8.8	╢─			╟	<u> </u>	mg/L
Temperature	60	G		╫┈		***************************************	┡		Units
Total Suspended Solids			26,6	╬		***************************************	┡		, c
Silver (total)	<del></del>	C	47		1		<b> </b>	<u> </u>	mg/L
	0.5	С	<0.0020				<u></u>		mg/L
Total Toxic Organics (TTO)	5,5		0.045	-			L		mg/L
Phenol		G	0.054						mg/L
									mg/L
					-1000				mg/L
			· · · · · ·						
									mg/L_
	·			$\dagger $					mg/L
84.				╂┯╂			-		<u> </u>
		$\vdash$		╂┼		——-			<b> </b>
1				╢═╅			-		
		-		$\parallel \perp \mid$					
				$\parallel \perp \parallel$					
T 1000000000000000000000000000000000000	الييسياي		/						

You must complete and sign the certification statements on the reverse side.

07 /6 #

:3147886268

10:84398193

### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

OAOT III.	COECIAI	CERTIFICATION	STATEMENITS
PART III.	SPECIAL	CERTIFICATION	SIMICINIO

Based on the special conditions contained in your discharge permit you may be required to cortify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
₿.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your parmit,
	you are required to make the following certification:    certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
С	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification:  I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive.  These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composito sampling at any sample point(s), you are required to make the following certification;
	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
Е.	If your permit special conditions prohibit discharge of wastes which are subject to cortain categorical protreatment standards, you are required to make the following conflication:
	I contify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmacoutical Catogorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmacoutical sample point(s) subject to the following conflication:  I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmacoutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Olecharges Subject to Categorical Standards for Electroplating (40 CFR 413). Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO menitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification:  Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filling the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	
Initial (r	ne box for statement A if it applies to you. Everyone must complete the Information under statement 8 and sign this report.
۸.	Discharges at sample points subject only to MSD Ordinance limits can be exampted from TTO monitoring subject to the following continuous:
	In lieu of monitoring for TTO at sample point(s), I certify that to the best of my knowledge and belief, no toxic organics have been used at this promise or discharged into the wastewaters since filing of the last discharge monitoring report.
В.	DISCHARGE MONITORING REPORT CERTIFICATION
or perso of my k netudin	r under penalty of Law that this document and all attachments were propared under my direction or supervision in accordance with a designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person ons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best knowledge and bolief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, and the possibility of fine and imprisonment for knowing violations.
Print or	typo name of signing official: LO Dearly
ľitle;	2Mg 84/207 Tolephone: 319-287-0930
Signatu	16: Doto: 12-12-12
	2 07/2003

07 /61 #

13147896269

To:94368753

### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PA	RT I: IDENTIFYING INFORMATION	
Cor	mpany Name: John Cochran VA Medical Ce	nter
	rmit No:	
Pre	emise Address: 915 North Grand B	lvd. St. Louis, MO. 63106
	oorting Period: D(JAN-MAR) (A	
,	RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
	Any lau	Discharabs (millicuries)
,		
	TOTAL ACTIVITY DISCHARGED:	7
PART	III: CERTIFICATION STATEMENTS	
		•
Every	your initials in the box under item one must complete the information und	A. er items A & B and sign this report
Α.		TE AND PEDERAL REGULATIONS
C 70	I certify that to the best of my land to	
	and 19 CSR Part 20-10.090 governing disposal regulated by the Nuclear Regulatory Commission tively, have been met for the period covered	The sanitary sewage for material
В.	RADIOACTIVE MATERIALS DISCHARGE REPOR	T CERTIFICATION
I certi directi properl persons the info I am awa	fy under penalty of Law that this document an on or supervision in accordance with a system y gather and evaluate the information submitt	d all attachments were prepared under my designed to assure that qualified personnel ed. Based on my inquiry of the person or ctly responsible for gathering the information, ledge and belief, true, accurate, and complete.
	type name of signing official:	
Title:		
Signatu		Telephone: 314-289-6348  Date: 12/12/12
	- John Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie	tadrpt.doc 2/00
07 /07	7 # 6999687tl8! 3147866266 # 7	T- +- T:08:20



3278 N. Highway 67 × Floriwant, MO 63033 (314) 432-0550 (800) 333-FAST (3278) - FAX (314) 332-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Altn: Ed Beaty

Date Received: 10/16/12 15:47

Report Date: 10/30/12 Customer #: 276817 PO#: 657-SC2047

"Laboratory Results"

Sample No: 2102380-01

Collect Date: 10/16/12 11:30
Matrix: Waste Water Composite

Sample Description:

North Grand MSD 001 Comp.

Parameters	Rosult	Qual	Prep Dato	Analysis Dato	Analyst	Mothod
Goneral Chomistry - STL		***************************************				10.000
ROD	22 mg/L		10/17/12 12:44	10/17/12 12:44	DWM	SM 52108 18Ed
COD	74 mg/L		10/17/12 12:00	10/17/12 12:00	VCA	SM 5220D 18Ed
Solids - total suspended solids (TSS)	6.8 mg/L		10/16/12 17:00	10/16/12 17:00	ACV	SM 2540D 18Ed
Somivolaijjo Organies - STL				10/10/12 17:50	ACV	314 2340D 1620
1,2,4-Trichlorobanzene	< 10 ug/L		10/19/12 07:30	40/04/40 00:00		
1.2-Dichlorobenzeno	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	j <b>k</b> 	EPA 825
1,3-Dichierobonzone	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk •	EPA 625
1.4-Dichlorobenzena	< 10 ug/L			10/24/12 23:28	jk 	EPA 625
2.4,5-Trichlorophanol	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
Surragate: 2.4,6-Tribramophenal	33% 10-95.1		10/19/12 07:30	10/24/12 23:20	jk	EPA 625
2,4.G-Trichlorophenol	< 10 ug/L			/24/12 23:28	•	EPA 625
.4-Dichlerophonol	< 10 ug/L		10/19/12 07:30	10/24/12 23:20	jk	EPA 625
.4-Olmathylphonol	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
,4-Dinitrophonoi	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
.4-Dinitrotalueno	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
.6-Dimethylanilino	< 5.0 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 62\$
G-Dinitrototuone			10/19/12 07:30	10/24/12 23:26	jk	EPA 625
-Chloronaphihalane	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
-Chiarophanai	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
(Progate: 2-Fluorobipheny)	65 % 22.0-107		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
urrogale: 2-Fluorophenoi					jk E	PA 625
Nirophenol	13 % 10-44,6	•			Jk E	PA 625
3'-Dichlorobonzidine	< 10 ug/L < 10 ug/L		10/19/12 07:30	10/24/12 23:28	Jk	EPA 625
6-Dinitro-2-methylphonol			10/19/12 07:30	10/24/12 23:28	jk	EPA 625
Bromophenylphonyl ether	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
Chloro-3-mathylphenal	< 10 ug/L		-10/19/12 07:30	10/24/12:23:28	Jk	EPA 625
Chlorophanylphenyl othor	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	<b>jk</b>	EPA 825
Nirophenol	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
enaphthano	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	Jk	EPA 625
conaphihylone	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 825
пфиясопо	<.10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	Jk	EPA 625

2102380

Page 1 of 9

07 /11 #

:3147866269

10:94368753



3278 N. Highway 67 + Fforisont, MO 63033 (314) 472-0550 - (800) 333-FAST (3278) - FAX (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 10/16/12 15:47

Report Date: 10/30/12 Customer #: 276817 PO#: 657-SC2047

"Laboratory Results"

Sample No: 2102360-01

Collect Date: 10/16/12 11:30 Matrix: Waste Water Composite

Sample Description:

North Grand MSD 001 Comp.

Paramotors	Rosult	Qual Prep Date	Analysis Date	Analyst	Mothod
Somivolatile Organics - STL					
Azobenzeno	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	pe .	EPA 825
Benzidine	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk	EPA 625
Bonzo(a)unihraeunu	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk	EPA 625
Bonzo(a)pyreno	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk jk	EPA 025
Benzo(h&k)fluoranihene	< 10 ug/L	10/19/12 07:30	10/24/17 23:28	jk jk	EPA 625
Bonzo(b)lluoranihene	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	•	
Bonzo(g,h.l)porylana	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	JK ik	EPA 625
Benzo(k)(y)ozne6	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk	EPA 625
dis(2-chloroothoxy) mathane	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk II	EPA 625
tk(Z-chlorosihyl) ethnr	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	Jk D	EPA 825
lis(2-chloralsopracyt) other	< 10 ug/L	10/19/12 07:30		jk ''	EPA 625
lls(2-ethylhexyl) phthalata	21 ug/L	10/19/12 07:30	10/24/12 23:28	jk	EPA 625
ulyl benzyl phihalalo	< 10 ug/L	•	10/24/12 23:28	jk 	EPA 825
hrysono	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	Jk	EPA 625
lbenzo(e,h)anihrzcone	< 10 Ug/L	10/19/12 07:30	10/24/12 23:28	jk 	EPA 625
iethyl phthalato	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	Jk ·	EPA 625
imethyl phthalato	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk	EPA 625
i-n-bulyi phihalale	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	Jk	EPA 625
-n-actyl phthainte	< 10 ug/L	10/19/12 07;30	10/24/12 23:28	)k	EPA 625
lphonylumine	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk	EPA 625
uoraniheno	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	]k	EPA 825
uorono	<del>-</del>	10/19/12 07:30	10/24/12 23:28	jk	EPA 625
cxachlorobenzono	< 10 ug/L < 10 ug/L	10/19/12 07:30	10/24/12 23:28	Jk	EPA 626
onnothlarabuladiono	-	10/19/12 07:30	10/24/12 23:28	jk ,	EPA 625
exachlorocyclopantadiene	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	JK	EPA 625
exachiorophane	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	J <u>k</u>	EPA 625
dono(1,2,3-cd)pyrone	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk	EPA 825
phorane	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk	EPA 625
phihalono	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk	EPA 625
fabunzone	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk	EPA 625
rrognie: Nitrobonzone-ds	< 10 ug/L	10/19/12 07:30	10/24/12 23:28	jk	EPA 826
AMME: MANAGOUZOUD-02	67 % 20.6-112	10/	7.4/12 23:28 Jk	· F	PA 825

2102380

Page 2 of 9

4 15/ 50

13147866269

10:94368753



3278 N. Highway 67 + Florissant, MO 6A033 (314) 432-0550 - (800) 333-4 AST (3278) - FAN (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Besty

Date Received: 10/16/12 15:47

Report Date: 10/30/12 Customer #: 276817 PO#: 657-SC2047

"Laboratory Results"

Sample No: 2102380-01

Collect Date: 10/16/12 11:30 Matrix: Waste Water Composite

Sample Description:

North Grand MSD 001 Comp.

Parameters	Result	Qual	Prop Date	Analysis Dato	Analyst	Mothod
Semivolatile Organics - STL					***************************************	
N-Nitrosodimothylamino	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
Williasadi-n-propytomino	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	JK	EPA 625
Pentachlerophenel	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
Phononthrone	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	Jr.	EPA 625
Phonol	< 10 ug/L		10/19/12 07:30	10/24/12 23:28	jk	EPA 625
Surrogale: Phonol- d5	11 % 10-33.3	•	10	/24/12 23:28	jk	EPA 625
Surrogale: p-Torphanyl-d14	58 % 20-115		10	/24/12 23:28	jk	EPA 626
Pyrane /	< 10 Ug/L		10/19/12 07:30	10/24/12 23:20	j jk	EPA 625
Total Motals - STL						E174 020
Silvor	< 0.0020 mg/L		10/17/12 14:25	19/18/12 10:52	WPS	EPA 200,7 R4.

Sample No: 2102380-02

Collect Date: 10/16/12 11:30 Matrix: Weste Water Grab

Sample Description:

North Grand MSD 001 Grab

Parameters	Result	laup	Prep Date	Analysis Date	Analyst	Mothod
Flaid - STL						
9H -	10.1 pH Units			10/16/12 11;30	LLO	SM
Temperature, Field Measured	20.6 °C			10/16/12 11:30	LLO	SM
General Chemistry - STL	•					
Oll & Groose - lotal	6.1 mg/L		10/17/12 08;47	10/17/12 10:00	mop	EPA 1664#
henol	< 0.050 mg/L		10/17/12 14:30	10/17/12 14:30	DWM	EPA 420,1
/gjatilo Organics - STL						and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th
.1,1-Trichiorouthano	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	ВР	ÉPA 624
.1.2,2-Totrachloroethano	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 624
,1,2-Trichloroethane	' < 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	8P	EPA 624
.1-Dichloroeihano	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 624
,1-Dichloroatheno	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	
.2-Dichlorobanzane	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP .	EPA 624 EPA 624

2102380

Page 3 of 9

4 13/ 50

13147896269

10:94368753



3278 N. Highway 67 - Florissant, MO 63033 (344) 432-0550 - (800) 333-FAST (3278) - FAX (344) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Altn: Ed Beaty

Date Received: 10/16/12 15:47

Report Date: 10/30/12 Gustomer #: 276817 PO#: 657-SC2047

"Laboratory Rosults"

Sample No: 2102380-02

Collect Date: 10/16/12 11:30 Matrix: Waste Water Grab

Sample Description:

North Grand MSD 001 Grab

Paramotors	Result	Qual	Prop Date	Analysis Dato	Analyst	Mothod
Vojatjio Organica - STL	,					
1,2-Dichloroethane	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 624
Surrogate: 1,2-Dichloroethene-d4	105 % 69.1-125			V24/12 17:25		EPA 624
1.2-Dichlaroprapano	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	
3-Dichiorobonzane	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 824
-4-Dichlorobenzane	< 5.0 ug/L		10/24/12 10:38	10/24/12 17:25	8P	EPA 624
Chloroethylvinyl other	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 624
crolein	< 25 ug/L		10/24/12 10:39	10/24/12 17:25	-	EPA 624
cylonitrilo	< 10 ug/L		10/24/12 10:39		BP	EPA 624
¢πzοnο	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25 10/24/12 17:25	BP OD	EPA 624
iromodichtaromothano	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 624
urrogale: Bramafluorobenzana	95 % 64.1-123				BP ·	EPA 624
romoform	< 5.0 ug/L		10/24/12 10:39			EPA 624
romomelhano	< 10 ug/L		10/24/12 10:39	10/24/12 17:25	8P	EPA 624
arbon totrachlorida	< 5,0 ug/L			10/24/12 17:25	gp 	EPA 624
Morobanzene	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 624
พ่อเอสเทราค	< 10 ug/L		10/24/12 10:39	10/24/12 17:25	8P	EPA 824
viorofo <u>rm</u>	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	86	EPA 624
nicromothene	< 10 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 624
-1.3-Dichlarapropone	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	8P	EPA 624
bromochloramalhana	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	6P,	EPA 624
hylbenzono	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 624
p-Xylone			10/24/12 10:39	10/24/12 17:25	BP .	EPA 624
Dhylane chlaride	< 10 ug/L < 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	8P	EPA 624
Kylone			10/24/12 10:39	10/24/12 17:25	8P	EPA 624
trachloroothone	< 5,0 ug/L		10/24/12 10:38	10/24/12 17:25	<b>8</b> P	EPA 624
luono	< 5.0 ug/L		_10/24/12 10:39	10/24/12_17:25_	BP	EPA 624
Progato: Toluuno-d8	< 5.0 ug/L		10/24/12 10:30	10/24/12 17:25	85	EPA 624
rs-1,2-Dichloroethens	99 % 65.8-116		10/2	24/12 17:25	3P E	PA 621
TE-1,3-Dichloropropono	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 624
chlorpothone	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 624
chlorofluoromothano	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 824
- Instruction (International Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Cont	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	BP	EPA 624

2102380

Page 4 of 9



3278 N. Highway 67 - Florisant, MO 63033 (314) 432-0550 - (800) 333-FAST (3278) - FAX (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 10/16/12 15:47 Report Date: 10/30/12

Customer #: 276817 PO#: 657-SC2047

"Laboratory Results"

Sample No: 2102380-02

Collect Date: 10/16/12 11:30 Matrix: Waste Water Grab

Sample Description:

North Grand MSD 001 Grab

publication of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of t						
Parameters	Rosult	Qual	Prop Date	Analysis Dato	Analyst	Mothod
Volstile Organics - STL				,		
Vinyl chloride	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:25	8 <i>P</i>	EPA 624

2102380

Page 5 of 9

4 12/ 50

:3147886226

E9788E49:0T

17-14-17:08:26 ;From:



2278 N. Highway 67 + Florisann, MO 63033 (314) 432-0550 - (800) 333-b AST (3278) - FAN (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Dale Received: 10/16/12 15:47

Report Date: 10/30/12 Customer #: 276817 PO#: 657-SC2047

*Laboratory Results*

Notes

This report shall not be reproduced, except in full, without the written approval of the laboratory,

PDC Leboratories participates in the following accreditation/cortification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

PIA PDC Laboratories - Peorla, IL

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Tosting through IL EPA Lab No. 100230

Illinois Department of Public Hoalth Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240)
Wastewater Certifications: Arkansas (88-0577); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)

SPM PDC Laboratories - Springfield, MO

EPA DMR-QA Program

STL PDC Laboratories - St. Louis, MO

NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS EPA Lab No. E-10389

Barbara G. Pardo yo

Certified by: Barb Pandolfo, Project Manager

2102380

Page 6 of 9

PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

### CHAIN OF CUSTODY RECORD

Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494



7 × 11.	ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)							FOR LAS USE ONLY)									
	PROJECT INA	RER		P.O. HUILE	ER	.	LEANS ST	PYLU.			( ENG) FG	LL COLOR	,,				D1 -02 84
Almedica solici.				FAX NUMB	ž D	-	EMAS ADO	RESS					_			-4	LOGH 8 2102 300
Common Survey Stall South	314-487-	04'0O	•	FACTOR	υ,				1	١					625		LOGGED BY: HG
Sente constant and a line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of t		• . • •								1			1		8		LAS PROJ 8
9171 A 110 - 30 A - 51 C   5 A - 5 A	ELLENE CO	- F. C. S. S. S.	. V4 (7)				MATRIX	YPES:					9	X	98	2	TRALATE
Strong MoteSts.		1 7 T	spit in	V IV			DIE-ORUGO	NG YANTER			9		8	ò	38	20	PROJ. NGR:
		± '₹	<b>元素</b> 7				MANZI-ZIT	NO VATER ROGE		- 1	13		ঠ	<u></u>	Ş	ă	rnių. par
Chrese amine autro Service Se							HAS SOUR			8	BO0,	Slber	Oll & Grease	Volatiles 624	Semi-volatiles	Total Phenots	
CONTRACTOR OF PERCENT	COLEC		TP/ CODE(	TEO:	C	Ç.	16713104	PRESERVAT			Ď,	ζ,	ō	Š	Š	۴	REIAARKS
	10/15-	16/2	11:30-	11120		x	WW	H2SO4,4	ic :	X							)
North Grand MSD 001	16/19	107	1117			x	WW	Cool 4C			X.						PH = 10,06
(OTT leunnA)	1	,	U			X	WW	ниоз				X					Temp = 20,60
	10/10	/12	1/:3	0	x		ww	H2SO4,	4C	7			x				·
	10/1	7	1		×		ww	HCL, 4C						X		1	
	10/15-	11/12	11:30-	11:30		x	ww	Cool to 4	(C						×		
	10/16	10	111	30	x		WW :	1 pre, 1ur	npr							X	
	10//6	16	11.							1							
								<b> </b>									*
					-			<del> </del>				$\vdash$	$\dashv$				
	<del> </del>		·		-	-		<del> </del>					$\dashv$				
							<u> </u>	<del>                                     </del>	-+	-							
							<u></u>	1		لب	لجسيا	L	ل				Non-Mile and any analysis
TURNUROLING TIME GRUSH TAT IS SUBJECT TO POC L	BO APPOYAL AN	O SUROW	NGE) Name (1) Sarra (la		150	t that	had madifica	es: herear	<u>ላኅቀቀሳ</u> በ	úz WA	m ana	<b>INSIS</b>	. if th	8 536	maxe i	emb.	aling this area, you request
D Marral (8-10 Bus Days) D Rush (6 Bus Days) D Faurith					nen	ge of	0.1-6.0°C	. By not initial	Kog this	aree	t, yòu	allo	v the	lap (	(o (p)(o)	bee:	with analytical lesting
Drink Drink	EMBI DFAX	D Prone			109	ardle	ss of the s	ample lempar	ature.				7(8)	<u>.</u>	(COD)	RUS	E ONLY)
TOR ENGLISHED BY: (Serving:	19/1/10	700'CA	STORMEDEN	GA	Dis	1 %	7141	14:50					A BALKE	J-11-3;	, unu		r witers
PET KOUISHEU 8Y: (Special)	Date	Time.	E CONTRACTOR	V BA	36 <b>9</b> ),/	4 %	754	Tros	Semple T	eroer	זוו פועל ב	on rec	ed		- 6	. 7	degrees C
BETMOCIZMED B.L. (Banama)	Date	Tione	RECEIVED BY			- D1	d)	Titte:	Crill pinos Samo e i	essista Trecen	redion i	or Mari	cod	leïma.	$f_3$	SH	
	1	Yare	RECENTO BY	·				Time 9	Al exect	w wit	יציפלים ו	ale vo	TE				(Excludes typical hed parameters)
RELICOUSHED BY: (STRETA)	Cress	1.7.6	1200000	•		1 -	-		Samples :						1	7"	(ETECHES (NUCSE NEW CY. SUBJECT)



3278 N. Highway 67 × Florivanni, MO 65033 (M4) 432-0550 - (800) 333-FAST (3278) - FAN (314) 452-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 10/16/12 16:00

Report Date: 10/30/12 Customer #: 276817 PO#: 657-SC2047

"Laboratory Results"

Sample No: 2102386-01

Collect Date: 10/16/12 12:00 Matrix: Waste Water Composite

Sample Description:

North Grand MSD 002 Comp.

Paramotors	Rosult	Qual	Prop Dato	Analysis Dato	Analyst	Mothod
General Chemistry - STL		-				
BOD	43 mg/L		10/17/12 12:44	10/17/12 12:44	MWO	984 57400 405
COD	87 mg/L		10/17/12 12:00	10/17/12 12:00	ACV	SM 52108 18Ed SM 5220D 18Ed
Salide - tatal susponded solids (YSS)	47 mg/L		10/17/12 17:00	10/17/12 17:00	ACV	SM 2540D 18Ed
Semivolatilo Organics - ST),			14717712 17.00	(0/////2 1/.00	ACV	381 23400 1850
1.2.4-Trichiorobenzeno	< 10 ug/L		10/10/10 02:00	10/05/69 09 40		FF
1,2-Dichlorobenzeno	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 625
1,3-Dichiorobunzeno	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 825
1,4-Dichlorobonzene	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	Jk	EPA 625
7.4,S-Trichlorophenol	< 10 up/L		10/10/12 07:30	10/25/12 00:10	- Jx	EPA 625
Surragato: 2,1,6-Tribromophonol	23 % 10-95,1		10/19/12 07:30	10/25/12 00:10	jk	EPA 625
L.4,8-Trichlaraphonol	< 10 ug/L			V25/12 00:10		EPA 625
4-Dichlorophonol	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	Jk	EPA 625
,4-Dimothylphonol	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 625
.4-Dinitrophenol	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	Jk	EPA 625
,4-Dinitrotoluene	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	Jk	EPA 625
.C-Dimethylaniino	< 5.0 ug/L		10/19/12 07:30	10/25/12 00:10	Jk ⊾	EPA 825
.6-Dinitrototuona	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 625
-Chioronaphihalene	<del>-</del>		10/19/12 07:30	10/25/12 00:10	jk	EPA 625
-Chiorophanol	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	ju	EPA 625
urrogate: 2-Fluorobiphenyl	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA G25
urrogate: 2-Fluorophanal	63 % 22.8-107		10/	25/12 00:10	jk i	EPA 625
-Nitrophonol	11 % 10-44.6		10/	25/12 00:10	jk i	EPA 625
3'-Dichlorphenziding	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 625
·	< 10 ug/L		10/10/12 07:30	10/25/12 00:10	Jk	EPA 625
6-Dinitro-2-methylphenol	. < 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk -	EPA 625
Gromophenylphonyl other	<10_ug/L	<del></del>	10/19/12 07:30	10/25/12 00;10	- jk	EPA 625
Chloro-3-mothylphenol	< 10 up/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 625
Chlorophonylphenyl othor	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	ju	EPA 625
Nirophenol	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 625
enaphihono	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	)k	EPA 625
cenaphthylono	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 625
uthracono	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	Jk	EPA 825

2102386

Page 1 of 9

7/ 70

:3147886268

10:04368753



5278 N. Highway 67 - Florisann, MO 63033 (344) 432-0550 - (800) A33-FAST (3278) - FAN (344) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Besty

Dale Received: 10/16/12 16:00

Report Date: 10/30/12 Customer #: 276817 PO#: 657-SC2047

"Laboratory Results"

Sample No: 2102386-01

Collect Date: 10/16/12 12:00 Matrix: Waste Water Composite

Sample Description:

North Grand MSD 002 Comp.

Somiugiatilo Organica - STL Azabenzeno Benzidino Benzo(a)anthracono Benzo(a)pyreno	< 10 ug/L < 10 ug/L < 10 ug/L	10/19/12 07:30 10/19/12 07:30	10/25/12 00:10	44 <del>Selfensyadde</del>	
Genzidine Genzo(a)anthracene	< 10 ug/L < 10 ug/L	*	10/25/12 00:10		
denza(a)anthracene	< 10 ug/L	*		Jk	. EPA 625
			10/25/12 00:10	Jk	EPA 625
Benzo(a)ovrene		10/19/12 07:30	10/25/12 00:10	JK Jk	EPA 625
	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk Jk	EPA 625
Benzo(b&k)fluorentitono	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	-	EPA 825
Jenzo(Þ)llupranthono	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk	
Banzo(g,h,i)porylana	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk Ju	EPA 625
lunzo(k)fluoranihene	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	-	EPA 625
lis(2-chloroothexy) mothane	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	)h :1.	EPA 625
lis(2-chlorosthyl) other	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk 11.	EPA 625
lla(2-chlorotsopropyl) eiher	< 10 ug/L	10/19/12 07:30		Jk 	EPA 625
ils(2-othylhexyl) phthalato	20 ug/L	10/19/12 07:30	10/25/12 00:10	jk	EPA 825
lutyl benzyl phihalate	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk • u	EPA 625
hrysene	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	· jk	EPA 625
lbanzo(a,h)anihracena	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk :	EPA 625
loinyl phihalale	< 10 ug/L		10/25/12 00:10	Jk 	EPA 625
lmothyl phthalale	< 10 ug/L	10/19/12 07:30 10/19/12 07:30	10/25/12 00:10	Jk	EPA 625
I-n-butyl phihalate	< 10 ug/L		10/25/12 00:10	ja 	EPA 625
i-n-ociyi phinalalo	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk	EPA 625
iphenylomine	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk	EPA 625
uoranthone	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk	EPA 625
uorone	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	, Jk	EPA 625
oxechiorobonzono ·	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	JK	EPA 625
prachicióbuladiona	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk	EPA 625
exachlorocyclopantadiono	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk	EPA 625
exachloraethano	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	J <u>k</u>	EPA 825
deno(1,2.3-cd)pyrone	<del>-</del>	19/19/12 07:30	10/25/12 00:10	jk	EPA 625
ppherone	< 10 ug/L * < 10 ug/L	10/19/12 07:30	10/25/12 00:10	<b>j</b> k	EPA 625
pshihalano	-	10/19/12 07:30	10/25/12 00:10	jk	EPA 825
(rebonzene	< 10 ug/L	10/19/12 07:30	10/25/12 00:10	jk	EPA 625
rrogate; Nitrabonzene-d5	< 10 ug/L 60 % 28.6-112	10/19/12 07:30	10/25/12 00:10 25/12 00:10 is	Jk .	EPA 625

2102386

Page 2 of 9



3278 N. Highway 67 - Florissant, MO 63033 (744) 432-0550 - (800) 333-FAST (3278) - FAS (344) 432-4077



VA Modical Center - St Louis 915 N Grand St Louis, MO 63106 Altn: Ed Beaty

Date Received: 10/16/12 16:00 Report Date: 10/30/12 Customer #: 276817

PO#: 657-SC2047

"Laboratory Rosults"

Sample No: 2102386-01

Collect Date: 10/16/12 12:00 Matrix; Waste Water Composite

Sample Description:

North Grand MSD 002 Comp.

Paramolors	Result	Qual	Prop Date	Analysis Date	Analyst	Mothod	
Somivolatile Organics - STL	<del>-</del> .					*	
N-Nitrosodimethylamine	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 625	
N-Nitrosodi-n-propylamina	< 10   ∪g/L	•	10/19/12 07:30	10/25/12 00:10	j. Jk	EPA 825	
Peritachlorophenol	< 10 · ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 625	
Phonanihrene	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	j. Je	EPA 625	
Phenol	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 025	
Surragala: Phanol- d5	9 % 10-33.3	×	10.	/25/12 00:10	jk	EPA 826	
Surrogola: p-Terphenyl-d14	58 % 28-115		10	/25/12 00:10	Jk	EPA 625	
^ร ั้งระกง	< 10 ug/L		10/19/12 07:30	10/25/12 00:10	jk	EPA 625	
Total Metals - STL					·		
ilvor	< 0.0020 mg/L		10/17/12 14:25	10/10/12 10:56	WPS	EPA 200.7 R4.	

Sample No; 2102386-02

Collect Date: 10/16/12 12:00 Matrix: Waste Water

Sample Description:

North Grand MSD 002 Grab

Parameters	Rosult	Qual	Prep Dato	Analysis Date	Analyst	Mothod
Flota - STL			,			
pH	8.81 pH Units			10/16/12 12:00	LLO	SM
Temporature, Field Measured	26.8 °C			10/16/12 12:00	ЩО	3M
General Chemistry - STL			A	• •		.*
Oil & Greese - total	< 5.0 mg/L	,	10/17/12 09:47	10/17/12 10:00	mop	EPA 1664A
Phonol TOTAL	0.054 mg/L		10/17/12 14:30	10/17/12 14:30	DWM	*
Volatile Organics - STL			•		-	Cr A 020,1
1,1-Trichloroothane	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP	CDA KOA
.1,2,2-Tetrachloroethano	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	89	
,1,2-Trichloreothane	< 5.0 ug/L		10/24/12 10:38	10/24/12 17:49	BP	
.1-Dichioroothane .1-Dichioroothone	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP	
, i-Dichloropanzana , 2-Dichloropanzana	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	8P	
'v som lide Abide (Casia	< 5.0 ug/L		10/24/12 10:38	10/24/12 17:49	82	EPA 1664A EPA 420.1 EPA 624 EPA 624 EPA 624 EPA 624 EPA 624

2102386

Page 3 of 9

07 /7 #

13142896569

10:94368753



3278 N. Highway 67 - Florissant, MO 63033 (314) 432-0550 - (800) 333-FANT (3278) - FAN (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Altn: Ed Beaty

Date Received: 10/16/12 16:00

Report Date: 10/30/12 Customer #: 276817 PO#: 657-SC2047

"Laboratory Results"

Sample No; 2102386-02

Collect Date: 10/16/12 12:00

Matrix; Wasto Water

Sample Description:

North Grand MSD 002 Grab

Paramotors	Rosult	Qual	Prop Dato	Analysis Date	Analyst	Method
Volatilo Organics - STL						
1.2-Dichloroethane	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP.	EPA 624
Surrogate: 1,2-Dichloroethane-d4	101 % 59.1-125			0/24/12 17:49	BP	
1,2-Dichloropropano	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49		EPA 624
1,3-Dichlorobonzene	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	8P	EPA 624
.4-Dichlorobenzene	< 5.0 ug/L	•	10/24/12 10:39		82	EPA 624
-ChioroothyMnyl othor	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	8P	EPA 824
crotoln	< 25 ug/L		10/24/12 10:39	10/24/12 17:49	8P	EPA 624
crylanitiija	< 10 ug/L			10/24/12 17:49	BP	EPA 624
onzone	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP	EPA 624
ramodichloromethano	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP	EPA 624
urrogate: Bromofluoropenzena	96 % 64,1-123		10/24/12 10:38	10/24/12 17:49	₿P	EPA 824
romoform	< 5.0 ug/L		1	V2A/12 17:49		EPA 621
опістеїрале	< 10 ug/L		10/24/12 10:39	10/24/12 17:49	BP	EPA 624
irban.lotrachlarida	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP	EPA 624
larobonzona	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	ВP	EPA 624
Marosihane			10/24/12 10:39	10/24/12 17:49	BP	EPA 624
aloroform	< 10 ug/L		10/24/12 10:39	10/24/12 17:49	89	EPA 624
loromothano	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	8P	EPA 624
-1,3-Dichloroprapono	< 10 ug/L		10/24/12 10:39	10/24/12 17:49	BP	EPA 624
promochloremethane	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP	EPA 824
nylbanzang	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	ВP	EPA 624
p-Xylone	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	8P	EPA 624
hlylono chiaride	< 10 ug/L		10/24/12 10:39	10/24/12 17:49	8P	EPA 621
(ylano -	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP	EPA 624
rachiareethone	< 5,0 ug/L		10/24/12 10:39	10/24/12 17:49	88	EPA 824
nove	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP	EPA 624-
	< 5.0 µg/L		10/24/12 10:39	10/24/12 17:49	вр	EPA 624
rogale: Toluono-dB	99 % 65.8-116		10/	24/12 17:49	3P 6	PA 621
ns-1,2-Dichlaroethone	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	ВР	EPA 824
16-1,3-Dichloropropone	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP	EPA 624
thioroothene	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP	EPA 624
chlorofluoramethane -	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	BP	EPA 624

2102386

Page 4 of 9

07 /9 #

3142896569

10:94368753

17-14-17;08:26 ;From:



3278 N. Highway 67 - Florissam, MO 63033 (314) 432-0550 - (800) 555-FAST (3278) - FAX (314) 432-4977



VA Modical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 10/16/12 16:00 Report Date: 10/30/12 Customer #: 276817 PO#: 657-SC2047

"Laboratory Results"

Sample No: 2102386-02

Collect Daio: 10/16/12 12:00

Matrix: Wasto Water

Sample Description:

North Grand MSD 002 Grab

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		~~~~		٠ ,		
Paramotors	Result	Qual	Prep Dato	Analysis Date	Analyst	Mothod
Volatile Organics - STL				4.0000000000000000000000000000000000000		
Vinyl chlorido	< 5.0 ug/L		10/24/12 10:39	10/24/12 17:49	6P	EPA 824

2102386

Page 5 of 9



3278 N. Highway 67 - Floriscant, MO 63033 (314) 432-0550 - (800) 343-FAST (3278) - FAX (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Altn: Ed Beaty

Date Received: 10/16/12 16:00 Report Date: 10/30/12 Customer #: 276817

PO#: 657-SC2047

"Laboratory Results"

### Notes

This report shall not be reproduced, except in full, without the written approval of the laboratory.

PDC Laboratories participates in the following accreditation/certification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

PIA PDC Laboratorios - Peorla, IL

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Floids of Testing through IL EPA Lab No. 100230

Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Drinking Water Cortifications: Kansas (E-10338): Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240)
Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335)
Hazardous/Solid Waste Certifications: Arkansas (88-0877). Wisconsin (998284430); Iowa (240); Kansas (E-10335)
UST Certification; Iowa (240)

SPM PDC Laboratories - Springflold, MO

EPA DMR-QA Program

STL PDC Laboratories - St. Louis, MO

NELAC Accreditation for Wastowater, Hazardous and Solid Wastes Fields of Testing through KS EPA Lab No. E-10389

X Low phenol-d5 surrogate, due to matrix.

Barbara q. Pandofo

Certified by: Barb Pandolfo, Project Manager

2102386

Page 6 of 9

PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

### CHAIN OF CUSTODY RECORD

Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494



Conference of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con	PROJECT	MATIRED	ALAG MUS.	LOEU	UMP	LEI	EUBYC	LIENT (PLEA								
表為此的影響的意思	Luoseot	UNWORK		P.O. N.	N BER		INETHO S	HIPPED	· NW	LYSIS	REQU	ESTEC				(FOR LAB USE DALY)
CARROLL SAME AND A STATE OF THE SAME OF TH	PHOKE A	UVGER		FAXHA	ALPED .		EVALAD	200								OIAnn 0/
termination and the second contractions		37-0400		عبرين ا	.a614		CUAL AU	MC22						1		rocms out to
் ஆண்ணிய விருந்தி				ľ										625		rooced ex. Har
POSTAL COMPLET CONTROL OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE		100		\$ 170		ZO:	MATRIX"	TYPES:	-	1		_			1 1	LAB PROJ I
15 1 All 115 10 18 18 18 18 18 18 18 18 18 18 18 18 18							YAYLYAST	EWATER 1946 lyater		S		Grease	624	Į	Phenois	TELPLATE:
មើលក្រុងការព័ត្រការ៉ា ស្មានក្នុង		- 31	11.007	<b>V</b> 0			CAY-GROU	ND WATER		TSS		2	98	ਫੁੱ	è	PROJ. LIGRE
STAPPE DESCRIPTION			10				HUS-SOLE	5	0	a	اق	∞ರ	3	<del>[</del>		
AS YOUT ACTION REPORT		IEC ZD	SECT STREET	TE:O	. 6	G	CATER	PRESERVATIVE	8	gog B	Silver	ō	Volatiles.	Semi-voladiles	Total	REIJARKS
North Grand MSD 002	10/15	516/12	12:00-	12:0	0	×	ww	H2SO4,4C	X		П				1	
(Annual TTO)	1	1			1	X	ww	Cool 4C	1	X	H		-		<del>                                     </del>	pH= QO
	U	1	1		1	x	ww	ниоз		_	x					Temp = 2 ( )
	10/16	In	12:0	70	x	$\vdash$	ww	H2SO4, 4C	+-			x	$\dashv$			\$6,60
	1.07/6	.,,,,	17 '10	<u> </u>	1	$\vdash$	ww	HCL, 4C	1			$\stackrel{\wedge}{\rightarrow}$	_			
	1 4		14-100.	A P									X		1	
		-16/12	7			X	WW	Cool to 4C			ŀ			×		
	10/16	1/2	13%	$\infty$	X		WW	1pre, 1unpr			$\exists$	$\neg$	$\neg$	1	x	
							-				$\top$	$\top$	1	$\neg \dagger$	$\dashv$	-
										$\dashv$	$\dashv$	+	十	$\dashv$	$\dashv$	
					$\Box$	$\neg$	· .		$\vdash$	$\dashv$	$\dashv$	+	+		$\dashv$	
				····					$\vdash$	$\dashv$	$\dashv$	$\dashv$	-	$\dashv$	$\dashv$	
-737									$\neg \uparrow$	-	+	-	+	$\dashv$	-	
10 Normal (8-10 Bas Daya) (1) Frank (8 Bas Daya) (1) Frank (8 Bas Daya)	S APROVAL A	WO SURCHUR	GE)		The	sam	ple (empera	tire will be meas	raeo ni	000 te	celot	alth	e lah	- Avi	Official	ing this area, you request
•																
Data Due Results by: []	E-MAI 1 TFA	X () Provo (	iad ·					ubyea (ezulbeuszprue) sak uxor minosmukió mu		, you a	aljow.	the L	ap io	proce	ed w	ith enalytical lesting
RELECUISMO BY: US ENABLED	95/1	The	REDEVIED BY			Chate	/ . TT					4616		20110	1	DNET)
SEINE ST. ISTORIES	16/12	74:50	H CONTU	Lial	孤		1612/1	4(50)	-			NAME OF	121/	AN LAD	CSET	DNET)
		1.1.4	MEGGS-ED DI.			Uap	, (   18	Terpera	2001200	CONO			6	5.		Sampia
RELINOURSHED BY: (Signaline)	Dete	ปีกอ	RECEIVED BY:			Oshe	Te	Terpens On grow Sample	Ches i tes Ches i tes	of prior	põ isen	Ę.	×	X7 8	SAFE N	•
RELAQUISTED BY: (Square)	Dete	Films	RECEIVED BY:			Dale	Te	Property	Kies radio	HAGG M	goode	onátic	n j	( Yg	1 22 1	
						L		Stripies Date and		u albeda a	سته م ^ی نم			Y.	N (	Eccles typical ( et parameter)
															-	

### · MSD

## METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL FACILITY REINSPECTION REPORT

	any: VA Medical Center			Account #:	10085	345900	,
	ise Address: 915 N. Grand Blvd.			Zip Code:	63106	5	,
MSD	Classes: SIU 🛛 Non-Signif CIU 🗌	CIU :	Surcharge	Toxics-E	Bearin	g Wast	e 🛛
	Non-Toxic Proc Waste 🗌 No P	roc Disch	☐ Mult	i-User Spe	c Hand	ile/Bil	.1 🗍
Comp	any Representative: Ed Beaty						
	e: Pipefitter Foreman			Phone#: 314-2	289-64	50	
Insp	ector: Jason Gill						
	rs Present: None						
Insp	ection Date: 10/30/12 Time: From	9:00 AM	To <u>11:</u>	20 AM (Last Ir	ısp.	10/13/	<u>'11</u> )
NOTE:	ALL ITEMS ARE TO BE COMPLETED BASED OF INFORMATION OBTAINED OR PROVIDED BY COMP						
	INFORMATION OBTAINED ON PROVIDED BY COM	PANI DURING	INSPECTIO	M, AS WELL AS IN	FORMAT	TON IN	FILE.
**	* DATABASE ALSO UPDATED WITH APPROPRI	ATE CHANGE	S - see	attached databa	se re	norts :	***
						20200	
1.	A. ARE THERE ADDITIONAL NON-STORMWA	ATER ACCOUN	T NUMBER	S?		Yes 🗌	ио
	List them, note any changes:						
	B. Did all acct no's have water usa	age on PIMS	3?			Yes⊠	Ио
	C. If no to B, explain:		•	·			•
2.	PROCESSES & CLEANUP/WASHDOWN:	Cont /	Watar	Erea milan mi			
۷.	FROCESSES & CHEMNUP/WASHDOWN:	Cont/ Batch	Water Used?	Frequency of discharge	Comm	le pt.	
	Hospital services	Cont	Yes			N	
	Laboratory waste	Cont	Yes	Daily Daily	<del></del>	002	
	Animal testing (includes cage	Cont	Yes	Daily	001,	002	
	washdown)	Conc	165	Darry	001		
	Kitchen services	Batch	Yes	Daily	001		
	integration but vices	(None)	N/A	Daily	1001		
	,	(None)	N/A		<del> </del>	······································	
			1 7	<u> </u>		•	
3.	PRETREATMENT, (other than grease traps) -	describe:			Samp	le pt.	,
	pH adjustment					002	**************************************
					1		
			, March Landson	. 1		***************************************	
4.	DOES COMPANY HAVE ANY GREASE TRAPS?			•		Yes⊠	No
If y	es: A. List sample points: 001	· ·					1
	B. What is the frequency for cle	eaning & ma	intenanc	e? <u>Semi-annual</u>	<u> 11y</u>		
	C. Are any additives used in tra				_		No
	D. If yes to C, was co. warned MSD				ıse?	Yes⊠	
	E. Was co. informed that MSD perfor	ms separate	grease t	rap inspections?		Yes $igtie$	NoL
5.	HAS COMPANY CONSTRUCTED NEW BLDGS/AI	ארדייידיראורי אוי		O CTNOCT TACK TH	VICID 2	v	N - 1
	es: A. Ask company: Did they notify				nown 🗌		No No
I	B. If no or unknown, has inspect				10w11	Yes	No No
	_CComments:					169	NOL
6.	HAS COMPANY BEGUN DISCHARGING ANY N	EW POLLUTAN	NTS SINCE	THE LAST INSP	?	Yes	No
If y						•	
	B. Will MSD STP exceed existing					Yes[	No
	C. Will MSD STP's discharge exce					Yes[	Ио
	(MSD must notify MDNR if B or	C is yes	and disc	harge will cont	inue.	) .	,
	D. Comments:			•			_]

08/12)

7. ARE	A. List re	g. & describ	oe (inclu	iding .	FR 405-471) <u>O</u> any discharge - hospital se	):		Yes⊠	No
If ves to	B. Is maximu	m daily (incl.	batches)	cat. di	- nospical se scharge <u>less than</u> verified how?	n (or equal to) 100 (	GPD?	Yes 🗌	No
7.0	D. Do E. Wa	es company is company is to of last in (If no to	ever dis n SNC du NSCIU Ce: o B, yes	charge ring <u>a</u> rt. St to D	untreated, c ny part of th atement: or E, or Cert	concentrated cat. te previous 12 mo or not current . Statement not gible to be an N	s? ly NSC submit		ио□
	S CATEGORIO		ER COMBII	NE WIT	H NON-CAT. WW	PRIOR TO SAMPLI	NG?	Yes	No
	•	applied fac		/expla	in?	Is it corre	ct?	Yes 🗌	ио 🗆
9. IS If yes:	ANY WASTEWA A. At whic		TO PRODI	UCTION	OR MASS BASE	D STANDARDS?		Yes[	NoX
•	B. Since of product	calculation	dischar			s the long term y 20% or more?	n avg	Yes 🗌	No .
10. ARE	ANY RADIOA	CTIVE MATER	IALS HAN	DLED?		•		Yes⊠	NoП
If yes:	A. Describ	e operation	s & disp	osal:	Medicinal injections.			pat	ient
		٠.			used for res	search.		ıs are	not
		mpany have M cent author:				sal to sewer?	NA 🗌	Yes🏻	No
· ·					5/1/97 complete cal	endar year: 0 M	<u>ICI</u>		7 4.
11. DOE	S COMPANY G	ENERATE WAS	TES/WAST	EWATER	BY GENETIC E	NGINEERING RESEA	BCH2	Yes[	MolZj
	A. Does co	mpany render	wastes/		water innocuo			Yes	-
		describe ho mpany have N		 orizat:	ion for dispo	sal to sewer?	Паи	Yes 🗌	No[]
		cent author:				-			
12. DOE	Explain ho	w use was ve	erified 8	any i	APPEAR EXCESS	s:		Yes	No⊠
						<u>is a full-scale</u> s, clean-up & st			<u>later</u>
	HVAC uses.					ring the walkthr		acrony	
13. BAS	ED ON OBSER	VATIONS DUR	ING INSPI	ECTION	, DOES COMPAN	Y APPEAR TO HAVE	<b>:</b>	Yes⊠	ио□
SOM If yes:	E WATER THA	T IS NOT DIS	SCHARGED	TO SE	WER?			No., and	7
B.					HVAC system given to con	mpany?		Yes⊠	No 🗌
					s not dischar				<i>.</i>
						E LAST INSPECTIO	N	Yes 🗌	№
OR If yes: A		LAST 12 MON'			nsp <12 month oblem resolve				
-	ollutant	When	Points	Y/N	Describe				:
				N/A N/A					
				N/A N/A			· i		
				N/A					
	Commonts	<u> </u>		N/A			***************************************		

(08/12)

	S COMPANY EX SPECTION OR								The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Ŋ Yes[	] ио[]
	A.	WEITHER DE			coblem re			110115	ago):		
	Pollutant	When	Points		Describ						
		700000000000000000000000000000000000000		N/A		<b>4</b>		· · · · · · · · · · · · · · · · · · ·	, <u>, , , , , , , , , , , , , , , , , , </u>		
				N/A					,	************************	
				N/A							
				N/A							
. <u> </u>				N/A	<u></u>		nnn	···········			
В.	Comments:	-									•
16. HAV		Вура		etreat	ment fac	iliti			?	Yes[	∏ои □
	B. Explain					. —					
CHI	JLD SPILLS O EMICALS EASI A. What ne	R LEAKS O LY REACH	F PROCESS S					R ST	ORED	Yes[	ў. Зои
If no:	B. How are There a	re flamma		ls cab	inets in Used oil	the is	mec	<u>hani</u> red	cal room for on containme	stora	age of
•	Xylene	and other	lab reage	nts a	re store	d in	lock	ced (	cabinets away	from	floor
	<u>drains.</u>	Oil-dry	, booms, s	ocks,	as part	of sp	oill	kit	s are located	in s	everal
	areas o	f the fac	ility to ut	ilize	in the e	event	of a	a sp	<u>ill.</u>		
CON	SED ON OBSER MPANY ACTIVI A. Describe	TIES APPE	URING INSPI AR TO IMPA	ECTION IR STO	, ARE THE	ERE AN	NY AI F?	REAS	WHERE	Yes[	] по
С.	B. What nee Was "Illic: ( <u>regardles</u> :	it Stormw		irges"	brochure problem	give	en to	o cor	mpany?	Yes∑	No[]
19. DOE	ES COMPANY H	AVE ANY S	PILL CONTRO	OL OR	SLUG DIS	CHARGE	3 CO	NTRO	I, PLANS?	Vest	Пои ⊳
If yes:						Last			Update neede		7 MOL
	Tit	<u>le</u>				Upda	tę		Explain if ye		4.
	1. SPC	CP	100 ₁₀ -1			11/1	/97		No		ı
	2.								N/A		<del></del>
В.	Are any Pla				those 1	isted	lin	Par	t A)?	Yes[	NoX
	(If yes, w	rite compa	any and rec	uest)					•		
20. DOE	S COMPANY H. A. Parts wa	AVE ANY M	AINTENANCE vent name:	SHOP	PARTS WAS	SHERS?	?			Yes[	] No[X
	B. Priority	y polluta	nts (or "no	ne"):			,				i i
	C. How is a	spent solv	vent dispos	ed?							1
	(Parts wa	asher solve d for unle	ents are not ss condition	inclus show	ded in da potentia	tabase l disc	's p harg	rior: es)	ity pollutants	list,	nor !
21. ARE	ANY ORGANI	CS OR SOL	VENTS USED	(OTHE	יז ממאיד פ	J PAPT	S W	ASHE	RS) 2	VACE	Nol
If yes:	A. Solvent	name/	3020	· ~		433/4		. LIE		Prior.	
=	compone		Jsed for?			ess?		How	disposed?		ıtant?
	Xylene, alo	cohol I	ab reagent	s	Yes	] No[	<u> </u>		tilled on	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	No
				1				site	e, ´		j
	Phenol, tol	ueno T	ab reservi			7 K	<del>,</del>		porates	K	( )
	FUEIIOI, EOI	uene   L	ab reagent	<b>5</b>	Yes	No	4 +	наи.	led off site	Yes	
					Yes Yes	No No	╪┷┼		,	Yes	No
					Yes	No	$\dashv$			Yes_	No No
	•				Vos	1 No.	$\dashv$			150	

22. DOES COMPANY HAVE A 413/433/469-REGULATORY "SOLVENT MANAGEMENT PLAN"?  (Applies if co. has 413/433/469 processes, whether or not solvents used)  If yes: A. Is it part of a Spill/Slug Control Plan listed above? Yes[1.]  B. If no to A, date of last update for SMP:  C. Is there a copy of the Spill/Slug Plan or SMP in the files?  D. Does SMP address all 413/433/469 solvents? (or verify "none" ])  (If no to C or D, write company and require submittal and/or update	2. []] Yes [] Yes []	No -
23. ARE EMERGENCY NOTIFICATION PROCEDURES POSTED THAT INCLUDE MSD CONTACTS?  A. Was company provided notification cards & told to post where emergency response personnel can locate them?  (Must post if co. generates process wastewater or stores chemicals of	Yes X Yes X	No .
24. IS COMPANY REQUIRED TO SELF-MONITOR ANY OF THEIR DISCHARGES?  If yes: A. Is requirement contained in permit or other document.  B. If other document, date & description:  C. How frequently is sampling required? Quarterly  D. How frequently are reports required? Quarterly  E. Have reports been on-time, complete & signed by proper person?  F. If no, explain:	Yes⊠ Yes⊠	÷
25. DOES COMPANY SELF-MONITOR ITS WASTEWATER DISCHARGE?  If yes: A. Is the self-monitoring required by MSD?  B. Does sample collection time period match co's production shifts?  C. Are representative grab/comp samples collected?  D. Are EPA-approved 40 CFR 136 wastewater test methods used?  E. If no to B, C, or D, explain needed changes:	Yes X Yes X Yes X Yes X Yes X	No
26. DOES CO. CONTINUOUSLY MONITOR AT SAMPLE POINT AND KEEP A PERMANENT RECORD FOR: pH, TEMP, LEL?  If yes: A. At which SPs? B. Does company submit quarterly summaries? C. If no, explain:	Yes Yes	
27. DOES MSD SPLIT SAMPLES WITH THE COMPANY?  If yes: A. Is company having the samples analyzed  B. How does company insure proper preservation, holding times & analytical met	Yes   Yes   hods?	No No
C. Has company submitted results of all split sample analyses since the last insp?  D. Have results been submitted within 28 days of the collection's calendar quarter?  E. If no to C, or D, explain:  F. Does company still want to split samples?  G. Comments:	Yes Yes Yes	NOL
28. IS COMPANY UNDER ANY ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS TO SUBMIT COMPLIANCE SCHEDULE REPORTS?  If yes: A. Type and date:  B. Have the reports & actions been on-time & complete?	Yes Yes	
29. ASK COMPANY: IS CO. IN COMPLIANCE W/APPLICABLE NESHAP REGS FOR WW DISCHARGES? \ [Some MDNR-issued Title V air permits for specific processes allow pre-approved WW discharge.] [City/County-issued air permits are not NESHAP permits.]  If no: A. Describe:	Yes⊠	No .
B. Was MDNR Air Pollution Control informed? ( <u>must be done</u> )  30. DOES COMPANY RETAIN ALL WASTEWATER RECORDS FOR AT LEAST 5 YEARS?  If no: A. How long does company retain records?  B. Was company told to retain for at least 5 years, per ordinance?  C. Where are they kept? <u>File on site in contacts office</u>	Yes□ Yes⊠ Yes□	No D

(08/12)

If ye				S NEED TO BE t classifica			Yes	NoX
II y		SIU [ Non-T	] Non-S	ignif CIU 🗌 Waste 🗍 N	CIU 🗌 🤱	Surcharge	ng Was dle/Bil	te [] 11 []
32. If yo	es: A. B. C.	Is confirmed in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of	ompany's di to A, doe es to B, aarge, or e to B, are	s the compary was company lse must pro any Processe the the wastes	regated from only own the blo informed it ovide segregat	other tenants' discharge? dg/receive the MSD bills? is responsible for total ted sample points? be wastes discharged? innocuous?	Yes Yes Yes Yes Yes Yes	No No No
	G.	segre	egated SP. o to D or y	Acceptance 1	letter date: _	occept responsibility or pro Or write co. w/requirent only" on PIMS?	ovide rement Yes	
33.			CLASSIFIED	AS "Special	Handling/Bil	ling"?	Yes[	NoX
If y	В.				reasons/detail	ls?	Yes[	No
4		Were			ved & verified	d for special NA	Yes 🗌	ИоП
34.	SAMPLE	POINT	rs				DĴ	(y/n)
	SP #	001	Fed.Reg.	N/A	Components:	boiler blowdown, NCCW,	waste, RO itchen	No !
ı	SP #	002	Fed.Reg.	N/A	Components:	Sanitary, hospital waste waste, storm water, NCCW	, lab	No ?
	SP #		Fed.Reg.		Components:			N/A
	SP #		Fed.Reg.		Components:	,		N/A
	SP#		Fed.Reg.	-	Components:			N/A
35. If ye	s: A.	List	SPs:	TRAPPED VENT		rred, and told why?	Yes 🗌	,
á.c					•	-	Yes	<del> </del>
36. If ye	s: A.	List	SES AT ANY SPs and re	SPS SMALL/II asons:	REGULAR ENOUG	GH TO ALLOW GRAB SAMPLES?	Yes	Мо⊠
37.	ARE TH	ERE AN	IY UNSAMPLE	D DISCHARGES	S? (list each	lateral separately)	Yes(	No⊠
[	Dummy			ponents:	,			H
38. If ye	DO ANY	SAMPL List	E POINTS ( Sample Poi	including Ur	nsampled/Dummy	y SPs) RECEIVE STORMWATER?	Yes⊠	No -
39.	A. I	f any	SPs cannot	be located	or opened, ex	UED & INSPECTED? NO SPS	Yes⊠	ПоП
	C. W	as ANY	grease or	t's need to other probl SPs & descr	be changed, em/debris obs		Yes	No⊠
						corrective actions?	Yes[	No :
					5		(0	8/12)

40.	REVIEW	THE	SAMPLE	POINT M	AP!			Last	map :	revisio	n date	: 7,	/11/1:	2
	A. Is	the	map cor	rect and	d accurat	e in all	its						Yes	No[
					re needed	***************************************	-							: - <u>L</u> .
41.					act Prior ructions"								Yes[	] ио[
If ye	es: A.	Lis	needed	change	s:	_								
USE T	HIS SPA	CE F	OR ANY OT	HER COM	MENTS/OBS	ERVATIONS	PERT	CINENT	TO Y	OUR INS	PECTION	I OF	THIS	SITE.
The p	arts w	ashei	is no	longer :	in use an	d has be	en re	moved	from	the p	remises	3.		
	*							•						
A new	state	-of-t	he-art (	Central	Steriliza	ation se	ction	in th	he ho	spital	for wa	shin	ıg car	ts,
instr	uments	, etc	c. is nev	w since	the last	inspect	ion.	There	e is	no dif	ference	in	water	use
			than be											

### ROPOLITAN ST. LOUIS SEWER DISTRI AL DATA SHEET - FACILITY INFORM

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900 Premise Address

915 N. Grand Boulevard

St. Louis MO. 63106 INDUSTRIAL USER CLASSIFICATIONS JOHN STEELNEINENAUW SIU GRUDRIA siu Base Map 19F2 PR25 Process Disch => 25,000 GPD 03/06/1997 TOX Wun:St. Louis City & Co. Grid: G 19 Page 27 GENERAL INFORMATION INSPECTION INFORMATION PERMIT INFORMATION UUQ UNIFORMIATRION Issue Date: IUQ Recvd Date: 08/14/2001 Office Mailing Address 02/01/2012 Next Due 915 N. Grand Boulevard Expire Date: 01/31/2017 Reviewer: Fabian Grabski Insp Rslt St. Louis, MO. 63106 **Extended Date:** 10/30/2012 RIN Jason Gill IUQ Recvd Date: 09/19/2006 **Billing Address** Writer Scott Rehmer Reviewer: Fabian Grabski 915 N. Grand Blvd IUQ Recvd Date: 09/07/2011 St. Louis, MO. 63106 Reviewer: David Kupke CONTAGTS BILL Keith Repko Service Chief/Engineering (314) 289-6438 Ext. OFF FLDI Ed Beaty Pipefitter Foreman (314) 289-6589 Ext. FAX Ed Beaty Pipefitter Foreman (314) 289-6450 Ext. OFF FLD2 Roger, Todd General Foreman OFF (314) 289-6331 Ext. OFFI Ed Beaty Pipefitter Supervisor OFF (314) 289-6450 Ext. Roger Todd OFF2 General Foreman (314) 289-6331 Ext. OFF PERATIONAL INFORMATION AND THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE OTHER AGENCIES INFORMATION 12/02/1996 EPA - Hazardous Waste Program MOD93060090030 Work Days: S M T W S T F 01/29/1997 Nuclear Regulatory Commission 24-00144-05 12:00AM 150 8.0 1 γ Y Y Y 01/17/1999 MDNR - Hazardous Waste Program 004272 2 750 08:00AM 8.0 Υ Y Y Y 06/21/2006 MSD - Billing Account Number 00086730 3 300 04:00PM 8.0 Υ Total Emp: 1,200 Hrs: 24.0 NON-SEWERED WASTER On-Site Storage Y On-Site Disposal Off-Site Disposal 09/07/2011 Organic Compounds 15 **GPY** 09/07/2011 Solvents/Thinners 50 **GPY** 09/07/2011 Radioactive Waste <10 **GPY** 09/07/2011 Kitchen/Food Service Grease 100 **GPY** Equipment Oils and/or Grease 09/07/2011 50 **GPY** 09/07/2011 Acids and/or Alkalies 10 **GPY** 09/07/2011 Infectious Waste 120000 LB/YR Q M M E I RAW MATERIALS SIGINFORMATION EFF DATE MATERIAL_DESCRIPTION QUANTITY

PRODUCTS							
EFF DATE	DESCRIPTION						
05/07/2004	General hospital services						

SIC **DESCRIPTION** 

8062 General Medical & Surgical Hospitals

EFF DATE	DESCRIPTION	UNIT	AVG_PROD MAX_PROD
05/07/2004	General hospital services	:	_

Report No. PIMS012A Data Date & Time:

11/19/2012 11/19/2012

10:51:22 am 10:51:22 am

### MPSROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

•	SEWER ACCOUNTS
	Sewer Accounts
	1008545900
١	***************************************

Start Date		<u>AND</u> WASTIEW/ 11 12/00/00/00/00/1	***************************************	2012 12:59::	59P <b>M</b> da	ıys	Cdays			***************************************
Acct. No.			Cor	<u>ısumption</u>		•	•		Disc	harge
1008545900			CCF's	Gallons					Gal/ Wday	Gal/ Cday
1008545900	08/31/2011	11/21/2011	7,679	7,679	Α	83	83		83	
1008545900	11/22/2011	03/02/2012	16,796	24,475	1	02	102		185	
1008545900	03/03/2012	05/22/2012	12,496	36,971		81	81	:	266	
1008545900	05/23/2012	08/30/2012	12,048	49,019	1	00	100		366	
RF (	0.62 Acet. Facility	Total Fotal	49,019 49,019	36,668,761		3	366	366	62,116	62,116

LATERAL NO.	and SAMPLE POINT INFORMATION  Lateral Type	DSM	H Tr	eatmen	t Area Bisse	ell Point		
01	Sanitary Or Combined	19F2	345C	Trunk	Sewer 37 - 1	Western Mill C	reek	
Description	Multiple lines exiting buildings on N side	of campus i	nto 12" main	in Bell				
Sewer Route	W on Bell, S on Vandeventer, E through R	R yard, E o	n Chouteau, l	E on Rut	tger to River, N to	STP		
SAMPLE POIN	T NO. 001 Ordinance		NPDI	ES Outfa	all No.		•	
Description	MH S of Bell curb 80' E of Spring (Tot	al Flow)						
Discharge Comp	onents Process Description		Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Storm Water			0	GPD		GPD	D	4/16/08
Regeneration/Reje	ect Water		2,787	GPD		GPD	D	9/7/11
Boiler Blowdown			3,025	GPD		GPD	D	9/7/11
Non Contact Cool	ing Water		8,250	GPD		GPD	D	9/7/11
Sanitary	·		18,000	GPD		GPD	D	9/7/11
Hospital Waste			36,303	GPD		GPD	D	9/7/11
Laboratory Waste	Animal, Research, + Diagnostic Labs	;	6,036	GPD		GPD	D	9/7/11
Kitchen Waste			10,372	GPD		GPD	D	9/7/11
	Total Flow Avg =		84,773		Max =			
CONNECTION	mdSAMRUR POINT INDORMATHON		*	***************************************	0000000mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm	000000000000000000000000000000000000000	200000000000000000000000000000000000000	***************************************
LATERAL NO.	Lateral Type	DSMI	H Tr	eatment	t Area Bisse	ll Point		
02	Sanitary Or Combined	19F2	352C	Trunk		Western Mill C	reek	
Description	Multiple lines exiting buildings on S side of	foommin in	to 12!! !	n Dereist				
-		•						
Sewer Route	W on Enrightl, S on Vandeventer, E throug	sh RR yard,	E on Choute	au, E on	Rutger to River,	N to STP		
SAMPLE POINT	ΓNO. 002 Ordinance	•	NDD	S Outfa	all No			
Description Description		c,			an 140.			
•	Offset MH @ Spring & Enright 75' SW	of building	#5 (Total Flo	w)				Effective
Discharge Comp	onents Process Description		Avg Flow	Unit	Max Flow	Unit	RUD	Date
Storm Water			0	GPD		GPD	D	4/16/08
Non Contact Cooli	ing Water		2,750	GPD		GPD	D	9/7/11
			6;000	-GPD		GPD	D-	9/7/11
Sanitary			12,101	GPD ·		GPD	D	9/7/11
-			-					
Sanitary — — — — Hospital Waste Laboratory Waste	Diagnostic + Research Labs		4,336	GPD		GPD	D	9/7/11

	SP	EFF_DATE	<b>TYPE</b>	DESCRIPTION
	001	02/02/2004	DC37	pH Adjustment/Neutralization
	001	03/16/1998	DC28	Grease Trap
	002	01/16/2003	DC37	pH Adjustment/Neutralization
900			REFERENCE PROPERTY OF THE PROP	

Report No. PIMS012A

11/19/2012

10:51:22 am

Data Date & Time:

11/19/2012

10:51:22 am

35:15 5 #

## METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1008545900

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

PRIORITY POLLUTANTS Status Pollutant Description Status Pollutant Description Pollutant Description Status Asbestos (Fibrous) Cadmium (Total) Mercury (Total) SP SP SP Lead (Total) Phenol SP ΚP Toluene KP Chloroform SP

EXTRA STRENGTH SURCHARGE INFORMATION N

Report No. PIMS012A

Data Date & Time:

11/19/2012 11/19/2012 10:51:22 am

10:51:22 am

132 J 174

S ACIE

AME TO

PIMS FACILITY CONTACTS A MEDICAL CENTER

For Account Number Selected Located at

1008545900

St. Louis

915 N. Grand Boulevard

MO

63106

Ad	dı	'ess	Ty	ne
1 144	***	-33		~~

Contact Type	Contact Name		Contact Title	Phone Type	Number	Ext.	
Billing Address	Keith	Repko	Service Chief/Engineering	OFF	(314)289-6438	,	
Billing Contact Office Mailing Address	Keitii	Repro	Service emed Engineering	OFF.	(314)269-0436		
Office Contact - Primary	Ed	Beaty	Pipefitter Supervisor	OFF	(314)289-6450		
Office Contact 1st Alt	Roger	Todd	General Foreman	OFF	(314)289-6331	1100	
Premise Address							
Field Contact - Primary	Ed	Beaty	Pipefitter Foreman	FAX	(314)289-6589	•	
Field Contact - Primary	Ed	Beaty	Pipefitter Foreman	OFF	(314)289-6450		
Field Contact 1st Alt	Roger	Todd	General Foreman	OFF	(314)289-6331	•	

1

ŋ. - . .

بأخيري

# PIMS RT OF FIELD SAMPLING REQUIREMENT VA MEDICAL CENTER

915 N. Grand Boulevard  = IPD - Company - MSD ode Pollutant Description  00 Biochemical Oxygen Demand (5 December 1997) 00 Chemical Oxygen Demand 00 Oil and Grease (Total) 00 pH 00 Temperature 00 Total Suspended Solids 00 Total Phenols	Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs  Grab  Grab	63106  End Date  06/30/2013 06/30/2013 06/30/2013	
ode Pollutant Description  Biochemical Oxygen Demand (5 December 2000)  Chemical Oxygen Demand  Oil and Grease (Total)  pH  Temperature  Total Suspended Solids	Once/year Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab	06/30/2013 06/30/2013 06/30/2013	13 - 24-2-2
Chemical Oxygen Demand Oil and Grease (Total) Oil pH Temperature Total Suspended Solids	Once/year Once/year Once/year Once/year	Comp-Time 04 Hrs Grab Grab	06/30/2013 06/30/2013	
Oli and Grease (Total)  PH  Temperature  Total Suspended Solids	Once/year Once/year Once/year	Grab Grab	06/30/2013	
pH Temperature Total Suspended Solids	Once/year Once/year	Grab		
Temperature Total Suspended Solids	Once/year		06/20/2012	
OO Total Suspended Solids	•	<u> </u>	06/30/2013	
•		Grab	06/30/2013	**,-
00 Total Phenols	Once/year	Comp-Time 04 Hrs	06/30/2013	
	Once/year	Grab	06/30/2013	
00 Silver (Total)	· Once/year	Comp-Time 04 Hrs	06/30/2013	
00 Phenolic Organics - Acids	Once/year	Grab	06/30/2013	
Volatile Orgs-not incl Acro/Acryl &	2-ch@noethodr	Grab		
	Frequency	Sample Type	End Date	
00 Biochemical Oxygen Demand (5 Da	y) Once/year	Comp-Time 04 Hrs	06/30/2013	
OO Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2013	co+1
OO Oil and Grease (Total)	Once/year	Grab		
00 pH	Once/year	Grab		:
OO Temperature	Once/year	Grab		•
Total Suspended Solids	Once/year	Comp-Time 04 Hrs		) . Zati.
OO Total Phenols	Once/year	Grab		17 mg
00 Silver (Total)	Once/year	Comp-Time 04 Hrs		• •
O Phenolic Organics - Acids	Once/year	Grab		
OO Volatile Orgs-not incl Acro/Acryl &	2-ch@moethgar	Grab	•	144
	• •			
	Volatile Orgs-not incl Acro/Acryl & I= IPD - Company - MSD ode Pollutant Description  Biochemical Oxygen Demand (5 Da Ochemical Oxygen Demand Ochemical Oxygen Demand Ochemical Oxygen Demand Temperature Ochemical Suspended Solids Total Phenols Silver (Total) Ochemical Organics - Acids	Volatile Orgs-not incl Acro/Acryl & 2-ch@mocfhear  I = IPD - Company - MSD ode Pollutant Description Frequency  O Biochemical Oxygen Demand (5 Day) Once/year O Chemical Oxygen Demand Once/year O Oil and Grease (Total) Once/year O pH Once/year O Temperature Once/year O Total Suspended Solids Once/year O Total Phenols Once/year O Silver (Total) Once/year O Phenolic Organics - Acids Once/year	Volatile Orgs-not incl Acro/Acryl & 2-ch@moethgar Grab    I = IPD - Company - MSD   Grab   Gr	Volatile Orgs-not incl Acro/Acryl & 2-ch@moethear Grab  O6/30/2013  Tell PD - Company - MSD  Ode Pollutant Description Frequency Sample Type End Date  O0 Biochemical Oxygen Demand (5 Day) Once/year Comp-Time 04 Hrs O6/30/2013  O0 Chemical Oxygen Demand Once/year Comp-Time 04 Hrs O6/30/2013  O0 Oil and Grease (Total) Once/year Grab O6/30/2013  O0 pH Once/year Grab O6/30/2013  O0 Temperature Once/year Grab O6/30/2013  O0 Total Suspended Solids Once/year Comp-Time 04 Hrs O6/30/2013  O0 Total Phenols Once/year Grab O6/30/2013  O0 Silver (Total) Once/year Grab O6/30/2013  Once/year Grab O6/30/2013  Once/year Grab O6/30/2013  Once/year Grab O6/30/2013  Once/year Grab O6/30/2013  Once/year Grab O6/30/2013  Once/year Grab O6/30/2013

Report No. PIMSU67A 11/19/ Data Date & Time 11/19

11/19/2012 11/19/2012 10:53:29AM 10:53:29AM

MSD

### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I: **IDENTIFYING INFORMATION** 

Company Name:

**VA Medical Center** 

Permit No:

1114046000

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

[ [(JAN-MAR)

| | (APR-JUNE)

[X | (JULY-SEPT)

| |(OCT-DEC)

Samples Collected By:

Larry Oliver, PDC Laboratorles, Inc. - St.Louis

Analyses Performed By: PDC Laboratories, Inc. - St.Louis

### ANALYTICAL RESULTS OF SELF MONITORING

CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	,	7	4.0.4	7	200	<del></del>		1
MSD SAMPLE POINT REFERENCE NUMBER			001 08/06-07/2012	╂─		╂—		<b> </b>
DATES ON WHICH SAMPLES WERE COLLECTED				╂╼		╬		<b> </b>
TIMES AT WHICH SAMPLES WHERE COLLECTED			10:30-10:30	Щ_		Ш	4179	<u> </u>
PARAMETER	LIMIT				-			UNITS
FLOW		Ε	84,000			T		GPD
Biochemical Oxygen Demand	per per per	С	22		·		,	mg/L
Chemical Oxygen Demand		С	43	<u> </u>	i	ŀ		mg/L
Oil & Grease	200	G	<5.0	L	1			mg/L
pH	5.5 - 11.5	G	8.9					Units
Temperature	60	G	32					°C
Total Suspended Solids		С	6.4					mg/L
Silver (total)	0.5	C	<0.0020	<u></u>		L		mg/L
Total Toxic Organics (TTO)	5.5	C.G	All and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	<u></u>				mg/L
Phenol		G	<0.050	<u> </u>				mg/L
,		<b> </b>		<u> </u>	•*	L		mg/L
				<u> </u>				mg/L
			•	<u> </u>				mg/L
				<u></u>				mg/L
				<b> </b>				
				<u> </u>				
		<u> </u>		<u> </u>		_		
								·

You must complete and sign the certification statements on the reverse side.

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

#### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I: IDENTIFYING INFORMATION

Company Name:

**VA Medical Center** 

Permit No:

1114046000

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

| |(JAN-MAR)

| |(APR-JUNE)

| X | (JULY-SEPT)

| |(OCT-DEC)

Samples Collected By: Larry Oliver, PDC Laboratories, Inc. - St Louis

Analyses Performed By: PDC Laboratories, Inc. - St.Louis

#### ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUMBER	Market Head		002	1				
DATES ON WHICH SAMPLES WERE COLLEC	CTED>		08/06-07/2012					
TIMES AT WHICH SAMPLES WHERE COLLE	CTED	<b> </b>	11:00-11:00					
. PARAMETER	LIMIT							UNITS
FLOW		E	25,000					GPD
Biochemical Oxygen Demand		С	<b>&lt;</b> 6.0	- 1				mg/L
Chemical Oxygen Demand		С	7					mg/L
Oil & Grease	200	G	<5.0					mg/L
рН	5.5 - 11.5	G	8.5				·	Units
Temperature	60	G	32.7					,c
Total Suspended Solids		С	4.8					mg/L
Silver (total)	0.5	С	<0.0020	$\bot \bot$				mg/L
Total Toxic Organics (TTO)	5.5							mg/L
Phenol		G	<0.050					mg/L
		<u> </u>		$\downarrow \downarrow$				mg/L
		<u> </u>		$\bot$	·			mg/L
			`	$\bot\!\!\!\!\bot$		_		mg/L
				$\bot$				mg/L
				╢				
		<u>.</u>		$\bot\!\!\!\!\bot$		_		
				1		_		
				$\parallel \perp \parallel$				
				<u> </u>				

You must complete and sign the certification statements on the reverse side.

71 /01 #

:3142896569

10:94368753

09-18-12;09:24 ;From:

#### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III:	SPECIAL	CERTIFICATION	STATEMENTS
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	OMINION INCIDENT	SIMICINIS

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you, GO ON TO PART IV.

A.	If your parmit special conditions waive menitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastos discharged at sampling point(s)
8,	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you are required to make the following certification:    Control of the character of wastes discharge monitoring report, there has been no change in the character of wastes discharged at
	those active connection points which are not specified in my permit.
C.	If your parmit special conditions walve monitoring at inactive connection points, you are required to make the following certification:  I cortify, since the permit issue date, there has been no change in the status of connection points identified as inactive.  Those points remain inactive and no discharge occurred during the period covered by this report.
D, .	If your pormit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to make the following certification:
<b>E</b> .	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical protroatment standards, you are required to make the following conflication:  I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretroatment standards in 40 CFR
F	Discharges subject to Pharmacoutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total
	Cyanida at the Phormocautical sample point(s) subject to the following cartification:
	I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
S,	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exampted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification:  Based on my inquiry of the person of persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and bellef, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSO.
PART	
	Discharges at several mainty authors are as MAD Out of the information under statement B and sign this report.
•	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:
	In lieu of monitoring for TTO at sample point(s), I certify that to the best of my knowledge and belief, no toxic organics have been used at this promise or discharged into the wastewaters since filing of the last discharge monitoring report,
).	DISCHARGE MONITORING REPORT CERTIFICATION
or person	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person ons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best movined and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, gother possibility of fine and imprisonment for knowing violations.
rint or	typo name of signing official: Edward L Beata
itle:	Superusur Telephone: 314-289-6450
ignalu	10: 21/10/10/10 Date: 9-18-12
to co	ustomized TR. Q. 12 (00)
/9	18-12;09:24 ;From: 10:94368753 ;3142896569 #

MSD 043275

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name:John Cochran VA Medical Ce	inter
Permit No:	
. Premise Address: 915 North Grand B	lvd. St. Louis, MO. 63106
Reporting Period: D(JAN-MAR)(2	APR-JUNE) (JULY-SEPT) D(OCT-DEC)
PART II: RECORD OF DISPOSAL OF RADIOAC	( - ( - ( - ( - ( - ( - ( - ( - ( - ( -
	1
RADIONOCLIDE	ACTIVITY DISCHARGED (millicuries)
tmy/all	- P
•	
,	· ·
· · · · · · · · · · · · · · · · · · ·	
777	
TOTAL ACTIVITY DISCHARGED:	78
PART III: CERTIFICATION STATEMENTS	7
,	•
Place your initials in the box under item Everyone must complete the information und	A. der items A & B and sign this report.
A. CERTIFICATION OF COMPLIANCE WITH STA	
TIM I certify that to the heat of my knowledge r	holiof all wind
and 19 CSR Part 20-10.090 governing disposal regulated by the Nuclear Regulatory Commission tively, have been met for the period covered	by rerease into sanitary sewage for material
B. RADIOACTIVE MATERIALS DISCHARGE REPOR	
I certify under penalty of Law that this document are direction or supervision in accordance with a system properly gather and evaluate the information submitted persons who manage the system, or those persons the information submitted is, to the best of my known and aware that there are significant penalties for	designed to assure that qualified personnel ted. Based on my inquiry of the person or ectly responsible for gathering the information,
I am aware that there are significant penalties for possibility of fine and imprisonment for knowing vio	submitting false information, including the plations.
Print/type name of signing official;	Larry Chandler, MSRHS
Title: Radiation Safety Officer	Telephone: 314-289-6348
Signature: Compliance	Date:9/18/12
70:94368763 ;3142896569 # 12/ 12	



3278 N. Highway 67 - Florisann, MO 63033 (314) 432-0550 - (800) 333-FAST (3278) - FAN (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 08/07/12 15:50 Report Date: 08/21/12 Customer #; 276817

PO#: 657-SC2047

*Laboratory Results*

Sample No; 2081075-01

Collect Date: 08/07/12 10:30 Matrix: Waste Water Composite

Sample Description:

North Grand MSD 001 Comp.

Pairamotora	Ro:	sult	Qual	Prop Date	Analysis Date	Analyst	Method
Goneral Chamistry - STL							
00	. 22	mg/L	•	08/08/12 08:14	08/08/12 08:14	DWM	SM 5210B 18Ed
OD		mg/L		08/08/12 13:00	08/08/12 13:00	ACV	SM 5220D 18Ed
olids - total susponded solids (TSS)	6,4	mg/L		08/09/12 17:00	08/09/12 17:00	ACV	SM 2540D 18Ed
oral Metals - STL							
livar	< 0,0020	mg/L		06/08/12 10:31	08/09/12 10:09	WPS	EPA 200.7 R4,4

Sample No: 2081075-02

Collect Date: 08/07/12 10:30 Matrix: Wasto Water Grab

Sample Description:

North Grand MSD 001 Grab

Parameters	Rosult	Qual	Prop Dato	Analysis Dato	Analyst	Method
Fleid - STL	•			-		
н	8.92 pH Units			2007/40 40.00		
emperature, Field Messured	32.0 °C		٠	08/07/12 10:30 08/07/12 10:30	FFO	SM
Conoral Chamistry - STL	+2			00/07/12 10:30	LLO	SM
il & Gresso - total	< 5.0 mg/L	*	08/09/12 08:00	08/09/12 08:30		
hanol	< 0.050 · mg/L				тер'	EPA 1664A
	( 0.030 mg/L		08/20/12 08:10	08/20/12 08:10	DWM-	EPA 420.1

2081075

Page 1 of 5



3278 N. (fighway 67 - Florinant, MO 63033 (314) 432-6559 - (800) 333-FAST (3278) - FAS (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty Date Received: 08/07/12 15:20

Report Date: 08/21/12 Customer #: 276817 PO#: 657-SC2047

"Laboratory Results"

Sample No; 2081077-01

Collect Date: 08/07/12 11:00 Matrix: Waste Water Composite

Sample Description:

North Grand MSD 002 Camp.

Paramotors	Ros	ult	Qual	Prop Date	Analysis Dato	Analyst	Method
General Chemistry - ŞTL							
BOD	< 6.0	mg/L		08/08/12 08:14	08/08/12 08:14	DWM	SM 5210B 18Ed
COD	6.9	mg/L		08/08/12 13:00	08/08/12 13:00	ACV	SM 5220D 18Ed
Solids - total susponded solids (TSS)	4.8	mg/L		08/09/12 17:00	00/09/12 17:00	ACV	SM 2540D 18Ed
Total Metals - SYL							
Silvor	< 0.0020	mg/L		08/08/12 10:31	08/09/12 10:14	WPS	EPA 200.7 R4,4

Sample No: 2001077-02

Collect Date: 09/07/12 11:00 Marrix: Wasto Water

Sample Description:

North Grand MSD 002 Grab

Paramotora	Result	Qual	Prop Date	Analysis Dato	Analyst	Mathod
Floid - STL						,
pΗ	8.45 pH Units			08/07/12 11:00	LLO	SM
Temperature, Field Measured	. 32.7 °C			08/07/12 11:00	LLO	SM
Soneral Chemistry - STL						
Oll & Greaze - total	< 5.0 mg/L		08/09/12 08:00	08/09/12 08:30	mep	EPA 1664A
honol	< 0.050 mg/L		08/18/12 10:00	08/16/12 10:00	DWM	EPA 420.1

2081077

Page 1 of 5

PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

CHAIN OF CUSTODY RECORD Phone (314) 432-0550 or (314) 921-4488 Fax: (314) 432-4977 or (314) 921-4494



www.pocsas.com www.ss.re-usingvas.sec	ALL CH	SOED AF	REAS MUS	TRECO	MPI	FM	O BY	CHENT O	PIFASE	PR	רדעוו	ı					·. —••
	MEL 370	UKEER	CAO MOO	P.O. NOW	ESI E	/ L	VEANS S	ASPPED .	1	, ide	YSIS R	OUE:	5160			T	(FOR LAS USE DISTA)
Valley and the	REE MOLEMU			FAXHAB			BANK AI	Orners			,					Щ.	208107
	314-48			FAXAVA	HE/S		Editor vs	inieża								li li	0050 BY: )
R8 Dig on cricels				١.									l		- 1	1	PROJ 8
							LATROX WWW.WAS	TYPES;	-				88			TE	PLATE:
				<b></b>		XX.	ACALVIN .	BONG WATER UND WATER LIDGS			TSS		Grease			PR	วา เหตุส
shler dan ike angkasiva	y 5						MAS SON	TOCE TOCE		<u>o</u> :		형	8	Phenoi		ļ!	
SANGE DESCRIBION SANGE DESCRIBION	C.	ਹਵ Clar	ONIEC CONTEC		G	s	SSATTEN	- Přesér	NÁTIVE	S	BOD,	Silver	2 IO	£			REMARKS
North Grand MSD 001	8/6-	7/12	10:30	-10:3	5	x	ΜŴ	H250	4,4C	X			一			l	,
- :	0/ 0	1. 11	112:32	f.		X.	₩W.	Cool 4	1C		X	7	7	$\neg$	$\neg$	pl	1= 29%
(Quarterly)	<del>-   - ,</del>	7	1	b—		×	WW.	HNO3		_		x	$\dashv$	-	$\dashv$	Té	mp = 70 0
	104 (	<i>J.</i>	1//\.	20	X		ww	H2SO	4 40	$\dashv$			×	$\dashv$		<del>- </del>  -	201
	8/7	112	10;	30	II		WW.	1-pre,		$\dashv$		$\dashv$	_	×			
		<u>/</u>	<u> </u>	)	X		3436	17,10,	ر طرابید)	_		$\dashv$	_		_		
										_		$\perp$	_				
															1	ľ	
					·		-					•				3.5	hrs Fleid Tech
												$\prod$				110	lays pump
TOP TO BUT DE STAT ESUA: MAT CAUCELY OF A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A DE CO TOP A	(act3 kspa) ( (act0 au8 C) _{ap} isse (act1 b ₇ ; □ E-Ma3 (	31-2 Byuress	Orga [] Socia Day	ý	tha!	l the l	ab nobity	vou before	proceeding this	o will	in ana	lysis, aucy	il the	e san Iab k	ipis te proce	mperatur eed with	this area, you reque re is outside of the analytical festing
aum John Sun	8/7/12	15120	Acade	Galisi	1	T C	ادارار	15:20	Ĭ			œ	AAA)	HTS: (	FOR LAS	SUSE ONL	Ŋ
RELIVIZACIO ST. (ST. CO.P.)	Care	Time	RECEIVED BY	+ annexi	4	Dy	4	Thrap	Samole Ye	rce	SD_138 FE	on mo	elol		Ŋ	dox	es C
SETAVAGRED BA: (22)-AVIVA	Octo	Tkna:	SECRETATO BY			Oe	No.	Time	Sample Te Ost prose Sample(s)	53 3 (a 1808)	red on s	# 60 /6	cebt.	متا	1.4	CN	
RELINOUS 20 8Y: (Sprature)	Date	Time.	RECEIVED BY:	:		Dá	la.	Time	Sangles Sangles Lot Stocker Ge Sangles Tora ead	i es el Ci al Ci Ciantina	1 808377 1 808377 1 80878	in goods in india	intro intro intro	oan	1 \$/	X N	ukes typical lett paramete

PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

#### CHAIN OF CUSTODY RECORD Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494



The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	ALL SI	HADED A	REAS MUS	T BE C	OMF	PLET	ED BY	CLIENT	(PLEA	SEP	RINT	ń				
्राध्या <u>कार जो</u>		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		PA.NU	MGER		inging.	SHIPPED		AW	TANS	ŔĔŒ	នោស	)	-	hos ryfinge old a
e nOese në njenje e yEndi. MG Të Ason shëngës	314-46	и <del>вед</del> 97-0400	-	FAXIBU	MESER		BUL	CORESS				T			T	LOCGED BY: 19
Stranger of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contr							MATRI NY WA DY DRI GIT GR WA 3	X TYPES: STEWATER HIGHO WATE DUND WATER RUNGE LED	R.	<u>à</u>	BOD, TSS	er	& Grease	nol		LAB PROJE  TELEPLÄTE  PROJ. MGR:
SAMPLE DESCRIPTION AS NOTIVINES OF RESORTS	લ્લ	LESTEG	TIES D'XIFC	HEF)	r.	c	:01:2		RYAINE	g	8	Silver	O S S	Phen		REMARKS
North Grand MSD 002	86-	7/12	1/100-	-1/1:00		<b>.X</b> :	WW	H2S	74,4C	X		П			$\top$	
(Quarterly)	<del> </del>	<u> </u>				×	WW	Cool			X			$\top$		PH= 8.45
	1 -	<u>//</u>	V			Х.	ΜŴ	HNO				x		$\top$	1	Témp = 22 72
-	8/	12	11:0	0	X		ww		24, 4C				X	$\top$	$\top$	JOILE
,	1 4	<u>y</u>	1,4		X		WW	1-pre	1-unp					X:	$\top$	
	1,		<u> </u>		-											
	<del> </del>		-				·				_	$\downarrow$				
	+			-						$ \bot $	$\bot$	$\bot$				
	<u> </u>	~~~				-		<u> </u>			_	$\perp$	$\perp$			3.5 hrs Field Tech
			<b></b>				-	,		$\dashv$		_	$\perp$			1 days pump
· //	BSAPROVALA O BUS DIJUS) C RUDY: CI E-NO	) (-2 Ouslness)	daya 🖸 Saine Dey		(C) (Sec	ie ol f	1.500			i B win						ing this crea, you request rabure is outside of the with analytical testing
REMOVED BY (STEER)	7//2 0ab	S:20	A Colly	talles		8/		5.20				00	QUEX.	3: (F.OR	LUB (ISE	OKEN
RELEXONSHED BY: (Speake)	Cate.	Tope	PECETYED BY:	utanada		Dala		Tirre	Sample To CAI proces Sample(s) Proper by Bottes Be Samples (s)	TI TATE	uns us ca cal prior dien in-	la reco	pi Spi		18	Cogrees C
PELLYGUI,ŞKZD BY, (ŞYÇKBUR)	Date	Tarre	RECEIVED BY:			Daza		Tine	Proper by: Bottes Be Samples () Data and T	des reco	i co in dequara d abdus	9001 c 9001 c	e(3)	³ /.	YAN	(Excludes bylical lead parameters)

MSD 3K

## METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

#### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I: IDENTIFYING	G INFORMATION			•	
Company Name:	VA Medical Center		10085454	900	
Permit No:	1114046000				
Premise Address:	915 N. Grand Blvd.,	St. Louis, MO 63106			
Monitoring Period:	(JAN-MAR)	X (APR-JUNE)	(JULY-SEPT)	(OCT-DEC)	-
Samples Collected By:	Larry Oliver, PDC La	aboratories, Inc St.Louis			
Analyses Performed By:	PDC Laboratories, I	nc St.Louis			

#### ANALYTICAL RESULTS OF SELF MONITORING

		,				
MSD SAMPLE POINT REFERENCE NUMBER			002		I	
DATES ON WHICH SAMPLES WERE COLLE			05/02-03/2012	┦	1	
TIMES AT WHICH SAMPLES WHERE COLLE	CTED>	<b> </b>	14:00-14:00	╨_	 ╙_	
PARAMETER	LIMIT			÷		UNITS
FLOW		E	25,000		T	GPD
Biochemical Oxygen Demand	Media	C	33			mg/L
Chemical Oxygen Demand		C	200	L		mg/L
Oil & Grease	200	G	7.8	<b> </b>	L	mg/L
pH	5.5 - 11.5	G	8.0			Units
Temperature	60	G	25	<u> </u>		°C
Total Suspended Solids	HONN	·C	43	<u> </u>		mg/L
Silver (lotal)	0.5	С	<0.0020			mg/L
Total Toxic Organics (TTO)	5.5			1_		mg/L
Phenol	ļ	G	0.087	<b>_</b>	L	mg/L
				<b> </b>	L	_mg/L
				<u> </u>		mg/L
				<b> </b>	<u> </u>	mg/L
·			ACCOMMON TO THE REAL PROPERTY OF THE PARTY O	╂	<u> </u>	mg/L
			Committee and Company and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Committee and Comm	⊩		
ALL A			. ,	┞	_	
				<u> </u>	<u></u>	
We constitute the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon						
				-	<u> </u>	
17r0333/2000000000000000000000000000000000				l		

You must complete and sign the certification statements on the reverse side:

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

#### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

**IDENTIFYING INFORMATION** PART I:

Company Name:

**VA Medical Center** 

1008-5459-00

Permit No:

1114046000

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

| |(JAN-MAR)

X (APR-JUNE)

| |(JULY-SEPT)

| |(OCT-DEC)

Samples Collected By:

Larry Oliver, PDC Laboratories, Inc. - St.Louis

Analyses Performed By: PDC Laboratories. Inc. - St.Louis

#### ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUMBER	WP AMARIN NO. NO.		001	7		$\overline{}$		
DATES ON WHICH SAMPLES WERE COLLE		<b> </b>	05/02-03/2012	╫	:	╫		
TIMES AT WHICH SAMPLES WHERE COLLE	CTED>		13:30-13:30					
PARAMETER	LIMIT	RE	CORD SAMPLE TY G=Grab, C=compo	PES ( site, f	(G,C,M OR E) AN M≕measured flow	D RE	ESULTS BELOW estimated flow	UNITS
FLOW		E	84,00.0		1	T		GPD
Biochemical Oxygen Demand		С	30		÷	1		mg/L
Chemical Oxygen Demand		С	68		i	1		mg/L
Oil & Grease .	200	G	<5.0					mg/L
рН	5.5 - 11.5	G	8.4		;			Units
Temperature	60	G	20.9					°C
Total Suspended Solids	po person	С	3.6		:			mg/L
Silver (total)	0.5	С	0.0059					mg/L
Total Toxic Organics (TTO)	5.5	C.G						mg/L
Phenol		G	<0.050		•			mg/L
								mg/L
					:			mg/L
				<u> </u>				mg/L
								mg/L
	-			_	-			
			No.					
					:			
					*			
							2 192	
**************************************					ı			

You must complete and sign the certification statements on the reverse side.

71 /9 #

13147886266

10:84368753

08-08-12;07:13 ;From:

#### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

#### PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

Α,	If your permit special conditions waive manitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged a sampling point(s)
В,	If your permit special conditions waive manitoring at active connection points which are not specified as sample points in your permit you are required to make the following certification:
•	I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions welve monitoring at inactive connection points, you are required to make the following conflication:  I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive.  These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to make the following certification:
	I certify the grab comple results in this report accurately represent our average daily discharge at sample point(s)
E.	If your pormit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification:  I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CER
	pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from Ilmitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following certification:
٠	I certify, since the last discharge monitoring report, cyanide has not been used or generated in any phormacoutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G,	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exampted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following contribution:  Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO). I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filling the last discharge monitoring report. I further certify that this facility is
n « n-	Section of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manager of the Manage
PAR	SELECTION STATEMENTS
initial ti	he box for slatement A if it applies to you. Everyone must complete the information under statement B and sign this report.
۹.	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following
	In ficu of monitoring for TTO at sample point(s)  left in the best of my knowledge and belief, no toxic organics have been used at this premise or discharged into the wastewaters since filing of the last discharge monitoring report,
3.	DISCHARGE MONITORING REPORT CERTIFICATION
f my k	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person one who manage the eystem, or those persons directly responsible for gethering the information, the information submitted is, to the best-unowledge and bolief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.
rint or	type name of signing official: Edward L. Beaty
itle:	Seperusing Tolophone: 3/4-289-6450
ignatur	
	00   2

21 /21 #

:3147896269

10:94368753

08-08-17:07:13 ;From:

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

	T I: IDENTIFYING INFORMATION	
	pany Name: <u>John Cochran VA Medical Ce</u>	
Perm	mit No:11140460-00	
Pren	mise Address: 915 North Grand B	lvd. Sc. Louis, MO. 63106
	of ting Period: O(JAN-MAR) (A	PR-JUNE) D(JULY-SEPT) D(OCT-DEC) TIVE MATERIALS TO THE SEWER SYSTEM
	RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
	Any fall	(Millicultes)
,		
L	TOTAL ACTIVITY DISCHARGED:	Ø
Place Everyo	III: CERTIFICATION STATEMENTS  your initials in the box under item  one must complete the information und	er items A & B and sign this report.
A	CERTIFICATION OF COMPLIANCE WITH STAT	TE AND FEDERAL REGULATIONS
<b>V</b>	regulated by the Nuclear Regulatory Commissio Lively, have been mer for the period covered	by this report.
	ADIOACTIVE MATERIALS DISCHARGE REPOR	
properly persons the info I am awa	y under penalty of Law that this document an or supervision in accordance with a system gather and evaluate the information submitt who manage the system, or those persons dirermation submitted is, to the best of my known that there are significant penalties for ity of fine and imprisonment for knowing violations.	ed. Based on my inquiry of the personnel ctly responsible for gathering the information, ledge and belief, true, accurate, and complete.
Print/t	ype name of signing official:	Larry Chandler, MSRHS
Title:_	Radiation Safety Officer	Telephone:314-289-6348
Signatu	re: Sany Chaule	Date:0/7//2_
71 /7	# 6999627tS: \$31458666601 # 6999627tS:	. Moral ; Fragibe goe 5/00



3278 N. Highway 67 - Floriscant, MO 63033 (314) 432-6550 - (800) 333-1 AST (3278) - FAX (340) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 05/03/12 16:33

Report Date: 05/17/12 Customer #: 276817 PO#: 657-SC2047

"Laboratory Results"

Sample No: 2050723-01

Collect Date: 05/03/12 13:30

Mairix: Waste Water Composite

Sample Description:

North Grand MSD 001 Comp.

Parametors	Rosul	t Qu	ial Prop Date	Analysis Dato	Analyst	Method
Gonoral Chomistry - STL						
900	30 m	g/L	05/04/12 08:28	05/04/12 08;28	JDG	SM 5210B 18Ed
COD	68 m	g/L	05/08/12 12:00	05/08/12 12:00	ACV	SM 5220D 18Ed
Sallas - total suspended solids (TSS)	3.6 m	g/L	05/04/12 17:00	05/04/12 17:00	ACV	SM 2540D 18Ed
Toral Motals - STL						
Silver	0.0059 m	g/L	05/07/12 12:18	05/08/12 14:10	WPS	EPA 200.7 R4.4

Sample No: 2050723-02

Collect Date: 05/03/12 13:30 Mauix: Waste Water Grab

Sample Description:

North Grand MSD 001 Grab

Parameters	Rosult	Qual	Prop Date	Analysis Dato	Analyst	Molhod
Ficia - STL						
DI4	8.39 pH Units			05/03/12 13:30	ιιο	SM
Comparatura, Fleid Moosurod	20.9 °C			05/03/12 13:30	LLO	SM .
General Chemistry - STL						
Oil & Greese - total	< 5.0 mg/L		05/08/12 07:29	05/08/12 08:00	MEP	EPA 1864A
Phenol	< 0.050 mg/L		05/15/12 09:00	05/15/12 09:00	DWM .	EPA 120.1

2050723

Page 1 of 5



3278 N. (tiglovay 67 - Florissant, MO 63033 (314) 432-0550 - (800) 333-1/ASY (3278) - F/AX (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 05/03/12 16:27

Report Date: 05/17/12 Cuslomer #: 276817 PO#: 657-SC2047

"Laboratory Results"

Sample No: 2050721-01

Collect Date: 05/03/12 14:00 Matrix: Waste Water Composite

Sample Description: North Grand MSD 002 Comp.

	ult	Qual	Prop Date	Analysis Date	Analyst	Method
33	mg/L		05/04/12 08:28	05/04/12 08:28	JDG	SM 52108 18Ed
200	mg/L		05/08/12 12:00	05/08/12 12:00	ACV	SM 5220D 18Ed
43	mg/L		05/04/12 17:00	05/04/12 17:00	ACV	SM 2540D 18Ed
< 0.0020	mg/L		05/07/12 12:18	05/08/12 14:08	WPS	EPA 200.7 R4.4
	33 200 43	33 mg/L 200 mg/L 43 mg/L < 0.0020 mg/L	33 mg/L 200 mg/L 43 mg/L	33 mg/L 05/04/12 08:28 200 mg/L 05/08/12 12:00 43 mg/L 05/04/12 17:00	33 mg/L 05/04/12 08:28 05/04/12 08:28 200 mg/L 05/08/12 12:00 05/08/12 12:00 43 mg/L 05/04/12 17:00 05/04/12 17:00	33 mg/L 05/04/12 08:28 05/04/12 08:28 JDG 200 mg/L 05/09/12 12:00 05/08/12 12:00 ACV 43 mg/L 05/04/12 17:00 05/04/12 17:00 ACV

Sample No: 2050721-02

Collect Date: 05/03/12 14:00

Matrix: Waste Water

Sample Description:

North Grand MSD 002 Grab

Parameters	Rosult	Qual	Prop Dato .	Analysis Date	Analyst	Mothod
Ficig - STL			•			***************************************
pH .	8.00 pH Units			05/03/12 14:00	LLO	SM
Temperature, Fleid Measured	25.0 °C			05/03/12 14:00	LLO	SM
General Chemistry - STL						
Oil & Greese - total	7.8 mg/L		05/07/12 07:42	05/07/12 08:00	MEP	EPA 1664
Phenol	0.087 mg/L		05/15/12 09:00	05/15/12 09:00	DWM	EPA 420.1

2050721

Page 1 of 5

71 /8 #

:3142896569

10:84368753

08-08-12;07:13 ;From:

PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033 www.pdcshoon www.enfortedis.ret

### CHAIN OF CUSTODY RECORD Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494



	ALL PRO	SHADEC	AREAS MUS	T BE CO	MPLE	TEO B	Y CL IFN	TIDIEA	œE c	30141	***				
VA Medical Centals	(47.FS)	- En is MOSC		P.D. HANS	ER	HEAR	SCHEPED	111 22	NE F	ALYSIS	reau	ESTEE	,		
deries on Barracks DWG	PHO	-487-040	^	FAXIMULE	DR .	BVAh	ADORESS		$\perp$	-				1	(FOR LIGHT ONLY)
198 Lefterson Barrack Tu		-40/-U4U	o		•		,							Ti	100×1205072
SULCUS MO 63723	1		69.50 Asia								1			li	rocces ex: HE
			IN CALL	刺逐步		THE Y WWW	DX TYPES: ASTEY/ATER		7			8			LAB PRIOLE
Shele thome entrops envice			<b>学是发展</b>	3584	24	KA CYY-GA	THE STATE	ER R	1	TSS		69	1		PROTRIES:
SAFTE CESTRIFICAL AS YOU WHAT CHREADED		DATE	THE	20.	N.	MSSC	KLÓ .		Õ		널	& Grease	2		THO E SILVE
North Grand MSD 001		ALTECTED .	Title COntect		≎ c	PATE		ERVATIVE	8	80D,	TEX IS	8	Phenol		ECMADUA
	7/1	1-3/12	13:30-13	330	X	ÂΛΜ	H2S	04,4C	X		+	$\dashv$			REMARKS
(Quarterly)		1			X	WW	Coo	4C		X	-	-			
·		Ψ	1 1		X	WW	HNO	)3			1	-4	$\bot$	-	PH = 8,39
	15/	3/0	13:3	0 1	,	w	_ l	04, 4C			X	1	$\perp$		Temp=20.90
-		V	12/2	<u> </u>		VVVV						X			
		<u> </u>	+		·	1444	1-pre	,1-unp	_			7:	K	7-1	
							_1_			1		7	1	++	
			+		_						+	+		+	
							1	$\neg \neg$	$\rightarrow$	+	+	+	+-	++	
					1-1	-	+		-	$\dashv$	+	+	4_	11	
					1-1		+		1	$\bot$	_	$\perp$		$\prod_{i} f_i$	3.5 hrs Fleid Tech
	1		<del> </del>		1-1		ļ			_				1	1 days pump
TLANKADURO THE (RUSH TATE SUBJECT TO POCT I	ARS APROVAL	AVO SLACHA	RGE)								1	T		1 11	
Date Series	r() gha () sha)	UI-Z Braces	Days [] Same Day	in tha	le samp (the la	Xe lempe d nativ v	iature will	be measur	ed up	on rec	eiol a	l the	labi. By	r krūčalin	g this area, you request
RETURN SHED BY: (So) / h	ry D E-Weal	DENY IZ ÉP	áre Cal .	ran	ge of 0	1-6.0°C.	By not ind mpte temp	resing this	oues'i `iwin:	anarys you all	5, if i	the sa le lab	i siqmi vero oi	empera	ig this area, you request thre is outside of the h snatyteal testing
PEL PROUSTED BY (Support	13/12	16:17	Mary /		13/3	7	PT0	erature.						1	
	Devs	Tares	FORMA 4	THATY	12/3		617					ena.	(FOR U	S USE O	€N
RELMOUSHED BY. (Sympty)	Or:e	Tirce	RECEIVED BY:			l '		Sample Tea	tasto	erton's	Kód		-6		
BELIKONA ED BY: (Sévains)	Ore	True			Cars	T	Sec	Semulation	23460	grior ka	receipt		(C)	Z'I	3-cr⊋ C
			RECEIVED BY:		02.5	n	one	Proper both Bothes Fred Samples mid	Marin egg	drsk *	CETTE	_	17	d N	
•					L			Dete and The	M Dran	म्बर्ग स्टब्स् इंस्टर्न्स	क्टाई के कार्य के दिवस	odys	_\ <u>\</u>	# 11 (En	or year typical field peremeters)

PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

#### CHAIN OF CUSTODY RECORD Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494



www.pddab.com www.enfonneircs.net ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT) PHONE NUMBER FAX NEU GER ELIAR ADDRES 6 erson Bartacks Division 314-487-0400 deficient Barracks CAB PROJ & ALATROX TYPES: Grease TEVPLATE: TSS OW DRINKING WATER GW GROUND WATER PROJ. MGR: WAST STIDGE Phenol . 'QO8 Silver 8 ଔ SUPREDESCRIPTON AS YOUNKARD DIRECTOR ō THE PRESERVATIVE 19-17-X C REMARKS 14:00-14:00 X WW H2SO4.4C North Grand MSD 002 X WW Cool 4C X (Quarterly) WW HNO3 X × WW H2SQ4, 4C 14:00 X × x WW 1-pre,1-unp X 3.5 hrs Fleid Tech 1 days pump: TURNUEDURD TIME (FUSH TAT IS SUBJECT TO POC CAES APROVAL AND SUREDIAPCE) The sample temperature will be measured upon receipt at the lab. By initialing this area, you request D Normal (8-10 But Days) C Rank (5 Bus Days) C Fastrative (3 Bus Days) ( H-2 Business Days C Same Day that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the keb to proceed with analytical testing REMARKS U EARS DIAX D Promices regardless of the sample temperature. COVALENTS: (FOR LAB USE ONLY) Secrete Temperature upon recept CAB process stated prior to receipt Secretagis) received on lea RELLIA DUSHED BY: (Signesiano) RECEIVED BY: Tere Samples (Text leads and in pood come.5 on Boother (Lead with a Sequenter vol. 27 to Samples received within hold sime(s) Lette and Time (aroth from sample pool-RELINGUISHED BY: (SINERS) RECEIVED BY: The Octo (Excludes typical field parameters)



#### Metropolitan St. Louis Sewer District



Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

THORIC. OF THE OC. CEGO WWW.Stimbol.

July 16, 2012

Ed Beaty
VA MEDICAL CENTER
915 N. Grand Boulevard
St. Louis, MO 63106

Re: Change in compliance charge rate

For premise at: 9

915 N. Grand Boulevard

St. Louis, MO 63106

Dear Ed Beaty:

As you probably are aware, citizens in the Metropolitan St. Louis Sewer District's boundaries voted on June 5, 2012 to revise the rate structure for MSD customers. This revised rate structure affects more than the charge for volume. It also changes the compliance charge that is assessed for commercial accounts. This charge is a separate line item on your monthly bill.

Previously, the compliance charge was a flat rate for all non-residential accounts. It is now a tiered rate, more accurately reflecting the actual costs involved for federal regulatory requirements to inspect and sample companies. In addition to changing to a more equitable tiered rate, MSD has also re-evaluated the costs involved and program requirements, and has been able to make changes to greatly reduce the overall impact of the compliance charge.

For the vast majority of non-residential accounts, the compliance charge will decrease. However, certain companies that federal regulations require to be inspected or have their wastewater sampled will see their compliance charge increase, due to the costs involved in conducting the inspections and sampling. Your facility is one of the companies that these federal regulations encompass.

Barring any recent changes at your facility, the new compliance charge for your MSD sewer account will be \$124.25 per month. Please note also that the tier, and associated compliance charge, can change as conditions change at your facility.

Please note that MSD recognizes that many companies receive more than one MSD bill, because they have more than one incoming water account. The above compliance charge will apply to only one MSD account for each premise, with any other accounts receiving the minimum compliance charge of \$23.00 per month. In addition, the minimum compliance charge for those additional accounts will further reduce to \$2.15 per month by July 1, 2015.

An insert explaining the compliance charge in more detail will be included with the August bill for all non-residential accounts. This will help insure that the person or department actually paying the bill will also be aware of the changes.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Douglas M. Mendoza, P.F.

Manager of Industrial Pretreatment

Industry:

VA Medical Center 1008545900

From:

David Kupke

bulo

Date:

07/11/12

Re:

Change in Account Number

The account number for this company has been changed from: 1114046000

to: 1008545900

The change is due to the need to have all industry account numbers conform to the billing premise # - based system, so that the correct "compliance fee tier" charge can be automatically added to the sewer bill each month.

FAX COVER SHEET

John Cochran Division

915 North Crand Boulevard, St. Louis, MO 63106

Department	of	<b>Veterans</b>	<b>Affairs</b>
•		. 10	



Date: 5-2-/1
Number of pages including cover sheet: //

To: Dave Kupke MSD Fax# 3/4-436-8753

	i		
289-6450			
DAY 214			
FAX 314- 289-6589			
207-0507			
	·····	w	

REMARKS:	Urgent	For your review	Reply ASAP	Please comment
Comments:	waitin;	r Radio	pactive	Discharge
	Repo	0	ceived on 5-3-12, sp	
	-	50		

NOTE: This fax is intended only for the use of the person or office to which it is addressed and may contain information that is privileged, confidential, or protected by law. All others are hereby notified that the receipt of this fax does not waive any applicable privilege or exemption for disclosure and that any dissemination, distribution,

11 /1 #

13142896569

10:94368753

06-02=12;15:18 ; From:

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

#### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I: **IDENTIFYING INFORMATION** 

Company Name:

VA Medical Center

Permit No:

1114046000

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

X (JAN-MAR)

| | (APR-JUNE)

| | (JULY-SEPT)

[ ](OCT-DEC)

Samples Collected By: Larry Oliver, PDC Laboratories, Inc. - St Louis

Analyses Performed By: PDC Laboratories, Inc. - StLouis

#### ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUMBE	R	<u>r</u>	001	7		ī		<u> </u>
DATES ON WHICH SAMPLES WERE COLL	ECTED>		02/01-02/2012					
TIMES AT WHICH SAMPLES WHERE COLL	ECTED>		11:00-11:00					7779/60000000
PARAMETER	LIMIT	REC	CORD SAMPLE TY G=Grab, C=compo	PES (G,C,M sile, M=mea	OR E) AN	D RE	ESULTS BELOW estimated flow	UNITS
FLOW		Ε	84,000					GPD
Biochemical Oxygen Demand		С	27					mg/L
Chemical Oxygen Demand		С	- 68					mg/L
Oil & Grease	200	G	<5.0					mg/L
рН	5.5 - 11.5	G	9.6					Units
Temperature	60	G	21.6					· °C
Total Suspended Solids	••••	Ċ	15					mg/L
Silver (total)	0.5	С	<0.0020					mg/L
Total Toxic Organics (TTO)	5.5	C,G						mg/L
Phenol		G	<0.050	44				mg/L
	<u> </u>					_	Ç.	mg/L
								mg/L
				<b></b>		L		mg/L
					The Manager	_	**************************************	mg/L
						Ŀ		
				4-4				
7077 P. 105 90 Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Character 2000 Annual Charact				<b></b>		L.	N-T	
				44		_		
Market and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s							4	
	<u></u>							

You must complete and sign the certification statements on the reverse side.

:3147896269

10:04368753

-05-02-12;15:18 ;From:

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

#### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I: **IDENTIFYING INFORMATION** 

Company Name:

**VA Medical Center** 

Permit No:

1114046000

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

| X | (JAN-MAR)

(APR-JUNE)

| | (JULY-SEPT)

| |(OCT-DEC)

Samples Collected By: Larry Oliver, PDC Laboratories, Inc. - St.Louis

Analyses Performed By: PDC Laboratories, Inc. - St.Louis

#### ANALYTICAL RESULTS OF SELF MONITORING

,			-					
MSO SAMPLE POINT REFERENCE NUMBI		ļ	002	4_	 	┃_		
DATES ON WHICH SAMPLES WERE COLL			02/01-02/2012	┦—	 			<u> </u>
TIMES AT WHICH SAMPLES WHERE COLLECTED>			11:30-11:30	Ш	 			
PARAMETER -	LIMIT							UNITS
FLOW		E	25,000					GPD
Biochemical Oxygen Demand	***************************************	С	97					mg/L
Chemical Oxygon Demand		C	230		·		·	mg/L
Oil & Grease	200	Ğ	89					mg/L
рН	5.5 - 11,5	G	7.5					Units
Temperalure	60	G	22.2					°C
Total Suspended Solids	4444	C	71					mg/L
Silver (total)	0.5	С	<0.0020					mg/L
Total Toxic Organics (TTO)	5.5							mg/L
Phenol		G	0.072	┦	 	L		mg/L
			Annabation	┦		<u> </u>		mg/L
	~~		***************************************	1_	 	<u> </u>		mg/L
		ļ		1	 	┞		mg/L
			`	┦		<u></u>		mg/L
		<u></u>						
				1				
							,	
							Name of the State	
		L					-	

You must complete and sign the certification statements on the reverse side.

11 /01 #

:3147896269

10:94368753

02-07-17:12:18 ;From:

#### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III:

**SPECIAL CERTIFICATION STATEMENTS** 



Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

--- NONE ---

#### PART IV: GENERAL CERTIFICATION STATEMENTS

В	DISCHARGE MONITORING REPORT CERTIFICATION
	All permittees must sign and complete the information below:
	I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the Information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
	Print or type name of signing official: Edward L. Beath
	Title:
	Signature:

2

### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

033

PART I: IDENTIFYING INFORMATION	57
Company Name: John Cochran VA Medical Cent	Cer
Permic No: 11140460=00 /1140460	
Premise Address: 915 North Grand Blv	
. ^	R-JUNE) D(JULY-SEPT) D(OCT-DEC)
PART II: RECORD OF DISPOSAL OF RADIOACT	•
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
Anu / All	8
	7
·	
·	
TOTAL ACTIVITY DISCHARGED:	()·
PART III: CERTIFICATION STATEMENTS	
Place your initials in the box under item Everyone must complete the information und	
· · · · · · · · · · · · · · · · · · ·	
A. CERTIFICATION OF COMPLIANCE WITH STA	•
and 19 CSR Part 20-10.090 governing disposal	belief, all requirements of 10 CFR Part 20.2003 by release into sanitary sewage for material on and the Missouri Department of Health, respec- by this report.
B. PADIOACTIVE MATERIALS DISCHARGE REPO	RT CERTIFICATION
Incertify under penalty of Law that this document a direction or supervision in accordance with a syste properly gather and evaluate the information submit persons who manage the system, or those persons directly information submitted is, to the best of my known a make that there are significant penalties for possibility of fine and imprisonment for knowing vi	em designed to assure that qualified personnel ted. Based on my inquiry of the person or ectly responsible for gathering the information, wledge and belief, true, accurate, and complete submitting false information, including the
Print/type name of signing official:	Larry Chandler, MSRHS
Title: Radiation Safety Officer	Telephone: 314-289-6348
Signature: Dani Chand	Date: 5/2/2
	/ / radrpt.doc 2/00

02-03-17:00:76 ;From: To:94368753 ;3142896569 # 2/ 2



3278 N. Highway 67 - Horissant, MO 63033 (314) 432-0550 - (800) AJ3-FAST (3278) - FAX (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty Date Received: 02/02/12 16:23 Report Date: 02/17/12 Customer #: 276817 PO#: 657SC1091

"Laboratory Results"

Sample No: 2020409-01

Sample Description: North Grand MSD 001 Comp.

Collect Date: 02/02/12 11:00

Matrix: Water

Paramoters	Rosult	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
doa	27 mg/L		02/03/12 10:55	DWM	SM 5210B 18Ed
COD .	68 mg/L		02/03/12 13:00	ACV	SM 5220D 18Ed
Solids - total suspended solids (TSS)	15 mg/L		02/02/12 17:00	ACV	SM 2540D 18Ed
Total Motals - STL	•				
Silvor	< 0.0020 mg/L	•	02/08/12 17:17	WPS	EPA 200.7 R4:4

Sample No: 2020409-02

Sample Description: North Grand MSD 001 Grab

Collect Date: 02/02/12 11:00

Matrix: Water

Paramoters	Rosult	Qual	Analysis Date	Analyst	Method
Field - STL				10.7	
oH .	9.56 pH Unit	s	02/02/12 11:00	ιίο	SM
amporature. Field Measured	21,6 °C		02/02/12 11:00	ιιο	SM
General Chemistry - STL					
DII & Greece - total	< 5.0 mg/L		02/03/12 09:30	MEP	EPA 1684A
Phenal	< 0.050 mg/L		02/09/12 11:01	DWM	EPA 420.1

2020409

Page 1 of 5

11 /7 #

:3147896269

10:94368753

02-07-17:12:18 ;From:



3278 N. Highway 67 - Florisson, MO 63633 (314) 432-6550 - (800) 333-FAST (3278) - FAST (344) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty Date Received: 02/02/12 16:28

Report Date: 02/17/12 Customer #: 276817 PO#: 657SC1091

#### "Laboratory Results"

Sample No: 2020413-01

Sample Description: North Grand MSD 002 Comp.

Collect Date: 02/02/12 11:30

Malrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Mothod
General Chemistry - STL					
BOD	97 mg/L	•	02/03/12 10:55	DWM	SM 5210B 18Ed
COD	230 mg/L		02/03/12 13:00	ACV	SM 52200 18Ed
Solids - Ipial suspended solids (TSS)	71 mg/L		02/02/12 17:00	ACV	SM 2510D 18Ed
<u> Tolal Melals - STL</u>					
Silvor	< 0.0020 mg/L		02/08/12 17:21	WPS	EPA 200.7 R4.4
	•				

Sample No: 2020413-02

Sample Description: North Grand MSD 002 Grab

Collect Date: 02/02/12 11:30

Malrix: Water

Paramoters	Rosult	Qual	Analysis Date	Analyst	Method
Floid - STL			,		
эн	7.46 pH Units		02/02/12 11:30	LLO	SM
Temperature, Floid Mossured	22,2 °C		02/02/12 11:30	LLO	SM
Senoral Chemistry - SYL					
Oli & Grease - total	89 mg/L		02/03/12 09:30	. MEP	EPA 1664A
Phenol	0.072 mg/L		02/09/12 11:01	OWM	EPA 420.1

2020413

Page 1 of 5

11 /L #

:3147869296

10:94368753

02-05-15;12:18 ;From:

MSD 043297

PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

#### CHAIN OF CUSTODY RECORD

Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494



ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT) PROJECT NULIBER P.O. NUMBER MEANS SHIPPED FOR LAB USE ONLY VA Medical Center PHONE NUMBER FAX NUMBER EMAIL ADDRESS Jefferson Barracks Division 314-487-0400 LOGGED A 138 Jefferson Barracks LAB PROJ # Grease Statouis MO263125 YAVAYASTEWATER TEMPLATE: ON ORINKING WATER CI'Y-GROUND WATER PROJ. KIGEL WWSL-SLUDGE Chief. Engineering Services BOD, NAS-SOLID 000 SANTLE DESCRIPTION AS YOU WANT ON REPORT ō DATE COLLECTED TIME C MATRIX PRESERVATIVE REMARKS WW H2SO4.4C X X 1:00-11:00 North Grand MSD 001 WW Cool 4C X X (Quarterly) WW HN03 X X WW H2SO4, 4C 00 Х X WW 1-pre, 1-unp X X 3.5 hrs Field Tech 1 days pump TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APROVAL AND SURCHARGE) The sample temperature will be measured upon receipt at the lab. By initialing this area, you request □ Normal (8-10 Bus Days) □ Rush (5 Bus Days) □ Fastrak_{th} (3 Bus Days) □1-2 Business Days □ Same Day that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing Results by: [] E-Nail [] FAX [] Phone Call regardless of the sample temperature. CONFRENTS: (FOR LAB USE ONLY) CUN RELINQUISHED BY: (Signature) Sample Temperature upon receipt Chill process started prior to receipt RELINQUISHED BY: (Signature) Time RECEIVED BY: Dale Sample(s) received on ice Proper bottles received in good condition REUNQUISHED BY: (Signature) Oale Tone RECEIVED BY: Bodies fided with adequate volume Oate Time Samples received within hold time(s) (Exclutes typical feld peremeters) Date and Time taken from sample bottle

PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

www.pddab.com www.environmetrics.net

#### CHAIN OF CUSTODY RECORD

Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494



ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT) PROJECT NUMBER P.O. NUMBER LIFANS SHIPPED ANALYSIS REQUESTED V-A-Medical Center PHONE NUMBER FAX NULIBER ENAIL ADDRESS Jefferson Barracks Division 314-487-0400 138 Jefferson Barracks LAB PROJ S Grease **JUATRIX TYPES:** St. Louis, MO 63125 NW-YASTEWATER TEMPLATE: DW-DRINKING WATER PROJ. MGR: YWSL-SLUDGE Chief Engineering Services Bob, 1 NAS-SOLID 000 අර් SAMPLE DESCRIPTION AS YOU WANT ON REPORT 5 OATE COLLECTED (1) PRESERVATIVE MATRIX REMARKS WW H2SO4.4C 11:30-11130 X North Grand MSD 002 WW Cool 4C 7,46 X X (Quarterly) Temp = 22,2°C ww HN03 X X H2SO4, 4C ww X Х ww 1-pre, 1-unp X X 3.5 hrs Field Tech 1 days pump TURNAROUND TURE (RUSH TAT IS SUBJECT TO POC LABS APROVAL AND SURCHARGE) The sample temperature will be measured upon receipt at the lab. By initialing this area, you request □ Normal (8-10 Bus Oays) □ Rush (5 Bus Oays) □ Fastrakny (3 Bus Oays) □1-2 Business Days □ Same Day that the lab notify you, before proceeding with analysis, if the sample lemperature is outside of the range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing Results by: D E-Nail O FAX O Phone Call regardless of the sample temperature. COMMENTS: (FOR LABUSE ONLY) Sample Temperature upon recept Chill process started prior to receipt RELINQUISHED BY: (Synature) Dale Time RECEIVED BY: Sample(s) received on ice Proper bottles received in good condition REUNQUISHED BY: (Signature) Oale Time RECEIVED BY: Battes filed with a fequale volume Date

Samples received within hald time(s)
Date and Time taken from sample both

(Excludes typical field parameters)

## METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name: <u>Jefferson Barracks VA Medica</u>	ll Center
Permit No: 11140111-01	
Premise Address: #1 Jefferson Barracks	
Reporting Period: JAN-MAR)	R-JUNE) $\square$ (JULY-SEPT) $\square$ (OCT-DEC)
PART II: RECORD OF DISPOSAL OF RADIOACT	IVE MATERIALS TO THE SEWER SYSTEM
RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
- Qu	Ø
	/
TOTAL ACTIVITY DISCHARGED:	- d
PART III: CERTIFICATION STATEMENTS	
Place your initials in the box under item Everyone must complete the information under	A. er items A & B and sign this report
A. CERTIFICATION OF COMPLIANCE WITH STAT	
	belief, all requirements of 10 CFR Part 20.2003
Fig. and 13 Cak Pail 20-10.090 doverning disposal	by release into sanitary sewage for material
B. RADIOACTIVE MATERIALS DISCHARGE REPOR	T CERTIFICATION
I certify under penalty of Law that this document and direction or supervision in accordance with a system properly gather and evaluate the information submitt persons who manage the system, or those persons dire the information submitted is, to the best of my know I am aware that there are significant penalties for possibility of fine and imprisonment for knowing vio	designed to assure that qualified personnel ed. Based on my inquiry of the person or ctly responsible for gathering the information, ledge and belief, true, accurage, and complete submitting false information, including the lations.
Print/type name of signing official: La	
Title: Radiation Safety Officer	Telephone: ENVIRONMENTAL COMPLIANCE
Signature: any dunch	Date:

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

**IDENTIFYING INFORMATION** 

Rad

Company Name:

**VA Medical Center** 

Permit No:

PART I:

From:VA

1114046000

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

| |(JAN-MAR)

| |(APR-JUNE)

| |(JULY-SEPT)

[X](OCT-DEC)

Samples Collected By:

Larry Oliver, PDC Laboratories, Inc. - St.Louis

Analyses Performed By: PDC Laboratories, Inc. - St.Louis

#### ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUMBER		,	001	1	001	7		1
DATES ON WHICH SAMPLES WERE COLLE			11/21-22/2011	1	11/23/2011	╫		<b> </b>
TIMES AT WHICH SAMPLES WHERE COLLE	CTED>		11:00-11:00		12:30	┪		<b></b>
PARAMETER	LIMIT	REC	CORD SAMPLE TY G=Grab, C=compo	PES (C site, M:	G,C,M OR E) A measured flov	ND R	ESULTS BELOW estimated flow	UNITS
FLOW		Ε	84,000	ПП				GPD
Biochemical Oxygen Demand		С	6					mg/L
Chemical Oxygen Demand		С	38			T		mg/L
Oil & Grease	200	G	<5.0					mg/L
рН	5.5 - 11.5	G	9.2					Units
Temperature	60	G	24.7					°C
Total Suspended Solids		С	5.6					mg/L
Silver (total)	0.5	С	<0.0020				,	mg/L
Total Toxic Organics (TTO)	5.5	C,G	<0.025					mg/L
Phenol				G	<0.050			mg/L
					-	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}}$		mg/L
	<b></b>		-	$\downarrow \downarrow \downarrow$		_ا_		mg/L
				$\bot\!\!\!\!\bot$		1		mg/L
				$\bot$		_		mg/L
				$\bot\!\!\!\!\bot$		_		
				4-4		╢		
				1-1				
			Whiteholds the state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of th	$\bot\!\!\!\!\bot$	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	_		
	· ·			$\bot\!\!\!\!\bot\!\!\!\!\bot$	·	$\bot$		
							·	

You must complete and sign the certification statements on the reverse side.

Page 6 of 9

 $M_{SD}$ 

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

#### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

IDENTIFYING INFORMATION PART I:

Company Name:

VA Medical Center

Permit No:

1114046000

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

| | (JAN-MAR)

| |(APR-JUNE)

[ [(JULY-SEPT)

| X | (OCT-DEC)

Samples Collected By: <u>Larry Oliver, PDC Laboratories, Inc. - St.Louis</u>

Analyses Performed By: PDC Laboratories, Inc. - St.Louis

#### ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUMBER	<<		002	ı —	002	T		
DATES ON WHICH SAMPLES WERE COLLEC	TED>		11/21-22/2011		11/23/2011	╫	······································	
TIMES AT WHICH SAMPLES WHERE COLLEC	CTED		11:30-11:30	13:00			***************************************	
PARAMETER	LIMIT							UNITS
FLOW		E	25,000			T		GPD
Biochemical Oxygen Demand		С	17					mg/L
Chemical Oxygen Demand		С	46			T		mg/L
Oil & Grease	200	G	<5.0			1		mg/L
pH	5.5 - 11.5	G	7.5					Units
Temperature	60	G	18.2			1	***************************************	°C
Total Suspended Solids		С	9.2			1		mg/L
Silver (total)	0.5	С	<0.0020					mg/L
Total Toxic Organics (TTO)	5.5		0.052			1		mg/L
Phenol			,	G	<0.050			mg/L
			***************************************			_	*	mg/L
					,	L		mg/L
						1_		mg/L
						┃		mg/L
						1_		
,								
					·	L		
				Ш				

You must complete and sign the certification statements on the reverse side.

Page 6 of 9

#### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

#001,2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

- NONE --

#### PART IV: GENERAL CERTIFICATION STATEMENTS

В	DISCHARGE MONITORING REPORT CERTIFICATION
	All permittees must sign and complete the information below:
	I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with
	a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquity of the
	person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted
	is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false
	information, including the possibility of fine and imprisonment for knowing violations.
	Form Form
	Print or type name of signing official:
	214-2/1-18457
	Title: Telephone: 57 7 07 50
	2-2-17
	Signature:

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION							
Company Name:John Cochran VA Medical Cen	iter						
Permit No: 11140460-00							
Premise Address: 915 North Grand B1	vd. St. Louis, MO. 63106						
Reporting Period:   □(JAN-MAR)	PR-JUNE) D(JULY-SEPT) (OCT-DEC)						
PART II: RECORD OF DISPOSAL OF RADIOACT							
RADIONUCLIDE							
ADJONUCLIDE	ACTIVITY DISCHARGED (millicuries)						
ANV	\$						
·							
TOTAL ACTIVITY DISCHARGED:	$\varphi$						
PART III: CERTIFICATION STATEMENTS							
Place your initials in the box under item	ر ه						
Everyone must complete the information und	ler items A & B and sign this report.						
A. CERTIFICATION OF COMPLIANCE WITH STATE	re and federal regulations						
I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.							
B. PADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION							
I certify under penalty of Law that this document ar direction or supervision in accordance with a system properly gather and evaluate the information submitt persons who manage the system, or those persons direct the information submitted is, to the best of my know I am aware that there are significant penalties for possibility of fine and imprisonment for knowing vices.	ed. Based on my inquiry of the person or eactly responsible for gathering the information, yledge and belief, true, accurate, and complete.						
Print/type name of signing official: Larry Chandler, MSRHS							
Title: Radiation Safety Officer	Telephone: 314-289-6348						
Signature: Day Coudle	Date: 2/6/12						
	radrpt.doc 2/00						



3278 N. Highway 67 - Photospot, NR 63033 (314) (32-0550 - (800) 333-4"AS V (3278) - FAN (414) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 11/22/11 14:40

Report Date: 12/07/11 Customer #: 276817 PO#: 657SC1091

*Laboratory Results*

Sample No: 1112844-01

Sample Description: North Grand MSD 001 Comp.

Collect Date: 11/22/11 11:00

Matrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Method	
General Chemistry - STL						
BOD	6.0 mg/L		11/23/11 11:22	DWM	SM 5210B 18Ed	
COD	38 mg/L		11/29/11 09:00	ACV	SM 5220D 18Ed	
Solids - total suspended solids (TSS)	5.6 mg/L		11/23/11 11:00	ACV	SM 2540D 18Ed	
Semivolatile Organics - STL		*				
1,2,4-Trichlorobenzene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
1,2-Dichlorobenzene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
1,3-Dichlorobenzene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
1,4-Dichlorobenzene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
2,4,5-Trichlorophenol	< 10 ug/L	C, X	11/30/11 12:59	jk	EPA 625	
2,4,6-Trichlorophenol	< 10 ug/L	c. x	11/30/11 12:59	jk	EPA 625	
2,4-Dichlorophenol	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
2,4-Dimethylphenol	< 10 ug/L	c, x	11/30/11 12:59	jk	EPA 625	
2,4-Dinitrophenol	< 10 ug/L		11/30/11 12:59	jk	EPA 825	
2,4-Dinitrotoluene	< 10 ug/L	•	11/30/11 12:59	jk	EPA 625	
2,6-Dimethylaniline	< 5.0 ug/L		11/30/11 12:59	jk	EPA 625	
2,6-Dinitrotoluene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
2-Chloronaphthalene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
2-Chlorophenol	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
2-Nitrophenol	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
3,3'-Dichterobenzidine	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
i,6-Dinitro-2-methylphenot	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
l-Bromophenylphenyl ether	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
I-Chloro-3-methylphenol	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
-Chlorophenylphenyl ether	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
I-Nitrophenol	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
Acenaphthene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
Acenaphthylene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
Anthracene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
Azobenzene	< 10 ug/L		11/30/11 12:59	jk j	EPA 625	
Benzidine	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
Benzo(a)anthracene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
Benzo(a)pyrene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
Benzo(b&k)fluoranthene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
Benzo(b)fluoranthene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
Benzo(g,h,i)perylene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	
Benzo(k)fluoranthene	< 10 ug/L		11/30/11 12:59	jk	EPA 625	

1112844

Page 1 of 9



3278 N. Highway 67 - Florissant, MO 63033 (314) 432-0550 - (800) 533-FAST (3278) - FAN (314) 432-(977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 11/23/11 15:41

Report Date: 12/07/11 Customer #: 276817 PO#: 657SC1091

*Laboratory Results*

Sample No: 1112844-01

Sample Description: North Grand MSD 001 Comp.

Collect Date: 11/22/11 11:00

Matrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL		· · · · · · · · · · · · · · · · · · ·	The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th	* :	
3is(2-chloroethoxy) methane	< 10 ug/L		11/30/11 12:59	jk	EPA 625
Bis(2-chloroethyl) ether	< 10 ug/L		11/30/11 12:59	, jk	EPA 625
3is(2-chloroisopropyl) ether	< 10 ug/L		11/30/11 12:59	. jk	EPA 625
Bis(2-ethylhexyl) phthalate .	10 ug/L	•	11/30/11 12:59	ik	EPA 625
Butyl benzyl phthalate	< 10 ug/L		11/30/11 12:59	jk	EPA 625
Chrysene	< 10 ug/L		11/30/11 12:59	jk	EPA 625
Dibenzo(a,h)anthracene	< 10 ug/L		11/30/11 12:59	jk .	EPA 625
Diethyl phthalate	< 10 ug/L		11/30/11 12:59	ik	EPA 625
Dimethyl phthalate	< 10 ug/L		11/30/11 12:59	ik	EPA 625
Di-n-butyl phthatete	< 10 ug/L		11/30/11 12:59	jk	EPA 625
Di-n-octyl phthalate	< 10 ug/L		11/30/11 12:59	jk	EPA 625
Diphenytamine	< 10 ug/L		11/30/11 12:59	ik	EPA 625
luoranthene	< 10 ug/L		11/30/11 12:59	jk	EPA 625
luorene	< 10 ug/L		11/30/11 12:59	. jk	EPA 625
lexachlorobenzene	< 10 ug/L		11/30/11 12:59	jk	EPA 625
lexachlorobutadiene	< 10 ug/L		11/30/11 12:59	ik	EPA 625
fexachlorocyclopentadiene	< 10 ug/L		11/30/11 12:59	jk	EPA 625
lexachloroethane	< 10 ug/L		11/30/11 12:59	jk	EPA 625
ndeno(1,2,3-cd)pyrene	< 10 ug/L		11/30/11 12:59	ik	EPA 625
sophorone	< 10 ug/L		11/30/11 12:59	ik	EPA 625
laphthalene	< 10 ug/L		11/30/11 12:59	jk	EPA 625
litrobenzene	< 10 ug/L		11/30/11 12:59	jk	EPA 625
I-Nitrosodimethylamine	< 10 ug/L		11/30/11 12:59	ik	EPA 625
LNitrosodi-n-propylamine	< 10 ug/L		11/30/11 12:59	jk	EPA 625
entachlorophenol .	< 10 ug/L		11/30/11 12:59	jk	EPA 625
henanthrene	< 10 ug/L		11/30/11 12:59	ik	EPA 625
henol	< 10 ug/L		11/30/11 12:59	jk	EPA 625
yrene	< 10 ug/L		11/30/11 12:59	jk	EPA 625
urrogate: 2-Fluorophenol	19 % 10-46.4		11/30/11 12:59	ik	EPA 625
urrogate: Phenol- d5	13 % 10-42.9		11/30/11 12:59	jk	EPA 625
urrogate: Nitrobenzene-d5	67 % 10.1-104		11/30/11 12:59	j. . jk	EPA 625
'urrogate: 2-Fluorobiphenyl	74% 10-110		11/30/11 12:59	. j. jk	EPA 625
urrogate: 2,4,6-Tribromophenol	36 % 10-93		11/30/11 12:59	jk	EPA 625
urrogate: p-Terphenyl-d14	75 % 10-111		11/30/11 12:59	jk	EPA 625
otal Metals - STL				<i>J</i> ^	LF N 020

1112844

Page 2 of 9



3278 N. Highway 67 + Florissant, MCF 63633 (314) 432-6550 - (800) 333-FAST (3278) - FAN (814) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 11/23/11 15:41

Report Date: 12/07/11 Customer #: 276817 PO#: 657SC1091

#### *Laboratory Results*

Sample No: 1112844-02

Sample Description: North Grand MSD 001 Grab

Collect Date: 11/22/11 11:00

Matrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Method
Field - STL				***************************************	
рН	9.24 pH Units		11/22/11 11:00	LLO	SM
Temperature, Field Measured	24.7 °C		11/22/11 11:00	LLO	SM '
General Chemistry - STL					5.00
Oil & Grease - total	< 5.0 mg/L		11/28/11 08:00	MEP	EPA 1664A
Volatile Organics - STL			•	1	
1,1,1-Trichloroethane	< 5.0 ug/L		11/29/11 14:07	. BP	EPA 624
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
1,1,2-Trichloroethane	^ < 5.0 ug/L		11/29/11 14:07	BP	EPA 624
1,1-Dichloroethane	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
1,1-Dichloroethene	< 5.0 ug/L		11/29/11 14:07	8P	EPA 624
1,2-Dichlorobenzene	< 5.0 ug/L		11/29/11 14:07	BP .	EPA 624
1,2-Dichloroethane	< 5.0 ug/L		11/29/11 14:07	8P	EPA 624
1,2-Dichloropropane	< 5.0 ug/L		11/29/11 14:07	BP .	EPA 624
1,3-Dichlorobenzene	< 5.0 ug/L		11/29/11 14:07	8P	EPA 624
1,4-Dichlorobenzene	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
2-Chloroethylvinyl ether	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
Acrolein	< 25 ug/L		11/29/11 14:07	BP	EPA 624
Acrylonitrile	< 10 ug/L		11/29/11 14:07	BP BP	EPA 624
Benzene	< 5.0 ug/L	•	11/29/11 14:07	BP	EPA 624
Bromodichloromethane	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
Bromoform	. < 5.0 ug/L		11/29/11 14:07	BP	EPA 624
Bromomethane	< 10 ug/i_		11/29/11 14:07	BP	EPA 624
Carbon tetrachloride	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
Chlorobenzene	< 5.0 ug/L		11/29/11 14:07	8P	EPA 624
Chloroethane	< 10 ug/L		11/29/11 14:07	ВР	EPA 624
Chloroform	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
Chloromethane	< 10 ug/L		11/29/11 14:07	BP	EPA 624
cis-1,3-Dichloropropene	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
Dibromochloromethane	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
Ethylbenzene	< 5.0 ug/L		11/29/11 14:07	8P	EPA 624
m,p-Xylene	< 10 ug/L		11/29/11 14:07	BP	EPA 624
Methylene chloride	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
o-Xylene	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
Tetrachloroethene	< 5.0 ug/L		11/29/11 14:07	8P	EPA 624
Toluene	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
trans-1,2-Dichloroethene	< 5.0 ug/L		11/29/11 14:07	8P	EPA 624

1112844

Page 3 of 9



3278 N. Highway 67 + Florisvant, MO 63033 (3]4) 432-0550 - (800) 533-FAST (3278) - FAX (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 11/23/11 15:41

Report Date: 12/07/11 Customer #: 276817 PO#: 657SC1091

"Laboratory Results".

Sample No: 1112844-02

Sample Description: North Grand MSD 001 Grab

Collect Date: 11/22/11 11:00

Matrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Method
Volatile Organics - STL			- Control of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second		**************************************
trans-1,3-Dichtoropropene	< 5.0 ug/L		11/29/11 14:07	ВР	EPA 624
Trichloroethene	< 5.0 ug/L		11/29/11 14:07	BP	EPA 624
Trichlorofluoromethane	< 5.0 ug/L		11/29/11 14:07	. BP	EPA 624
Vinyl chloride	' < 5.0 ug/L		11/29/11 14:07	8P	EPA 624
Surrogate: 1,2-Dichloroethane-d4	86 % 64.1-106		11/29/11 14:07	8P	EPA 624
Surrogate: Toluene-d8	91 % 69-98.1		11/29/11 14:07	BP	EPA 624
Surrogate: Bromofluorobenzene	90 % 62.4-111		11/29/11 14:07	BP	EPA 624

Sample No: 1113017-01

Sample Description: North Grand MSD 001 Grab

Collect Date: 11/23/11 12:30

Matrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL			- Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Cont		<u> </u>
Phenol	< 0.050 · mg/L		12/01/11 11:00	DWM	EPA 420.1

1112844

Page 4 of 9



3278 N. Highway 67 - Florissant, MO 63033 (314) 432-0550 - (800) 333-FAST (3278) - UAS (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 11/23/11 15:41

Report Date: 12/07/11 Customer #: 276817 PO#: 657SC1091

*Laboratory Results*

#### Notes

This report shall not be reproduced, except in full, without the written approval of the laboratory.

PDC Laboratories participates in the following accreditation/certification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

PDC Laboratories - Peoria, IL

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230

Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553 Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240) Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335) Hazardous/Solid Waste Certifications; Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335) UST Certification; Iowa (240)

SPM PDC Laboratories - Springfield, MO

EPA DMR-QA Program

PDC Laboratories - St. Louis, MO

NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS EPA Lab No. E-10389

High recovery in the Lcs, however, these compounds were not found in the samples.

Borbain 9. Pandoyo

С The blank spike failed to meet the required acceptance criteria.

Certified by: Barb Pandolfo, Project Manager

1112844

Page 5 of 9



3278 N. Highway 67 - Florissant, MO 63033 (314) 432-6550 - 6800) 535-FAST (3278) - FAX (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 11/22/11 14:40

Report Date: 12/07/11 Customer #: 276817 PO#: 657SC1091

*Laboratory Results*

Sample No: 1112841-01

Sample Description: North Grand MSD 002 Comp.

Collect Date: 11/22/11 11:30

Matrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
BOD	17 mg/L		11/23/11 11:22	DWM	SM 5210B 18Ed
COD	46 mg/L		11/29/11 09:00	ACV	SM 5220D 18Ed
Solids - total suspended solids (TSS)	9.2 mg/L		11/23/11 11:00	ACV	SM 2540D 18Ed
Semivolatile Organics - STL					•
1,2,4-Trichlorobenzene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
,2-Dichlorobenzene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
,3-Dichlorobenzene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
,4-Dichlorobenzene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
,4,5-Trichlorophenol	< 10 ug/L	C, X	12/01/11 18:56	jk	EPA 625
,4,6-Trichlorophenol	< 10 ug/L	c, x	12/01/11 18:56	jk	EPA 625
.4-Dichlorophenol	< 10 ug/L	•	12/01/11 18:56	jk	EPA 625
,4-Dimethylphenol	< 10 ug/L	c, x	12/01/11 18:56	jk	EPA 625
.4-Dinitrophenol	< 10 ug/L	•	12/01/11 18:56	ik	EPA 625
,4-Dinitrotoluene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
6-Dimethylaniline	< 5.0 ug/L		12/01/11 18:56	jk	EPA 625
6-Dinitrotoluene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
-Chloronaphthatene	< 10 ug/L		12/01/11 18;56	jk	EPA 625
Chlorophenol	< 10 ug/L		12/01/11 18:56	jk	EPA 625
-Nitrophenol	< 10 ug/L		12/01/11 18:56	jk	EPA 625
3'-Dichlorobenzidine	< 10 ug/L		12/01/11 18:56	jk′	EPA 625
6-Dinitro-2-methylphenol	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Bromophenylphenyl ether	< 10 ug/L		12/01/11 18:56	jk	EPA 625
-Chloro-3-methylphenol	< 10 ug/L		12/01/11 18:56	jk	EPA 625
-Chlorophenylphenyl ether	< 10 ug/L		12/01/11 18:56	jk	EPA 625
-Nitrophenol	< 10 ug/L		12/01/11 18:56	jk	EPA 625
cenaphthene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
cenaphthylene	< 10 ug/L		12/01/11 18:56	, jk	EPA 625
nthracene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
zobenzene	< 10 ug/L		12/01/11 18:56		EPA 625
enzidine	< 10 ug/L		12/01/11 18:56	jk	EPA 625
enzo(a)anthracene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
erizo(a)pyrena	< 10 ug/L		12/01/11 18:56	jk	EPA 625
enzo(b&k)fluoranthene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
enzo(b)fluoranthene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Benzo(g,h.i)perylene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
enzo(k)fluoranthene	< 10 ug/L		12/01/11 18:56	jk	EPA 625

1112841

Page 1 of 9



3278 N. Highway 67 - Florissant, MO 63033 (314) 432-0550 - (800) 333-FANT (3278) - FAN (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty Date Received: 11/23/11 15:35

Report Date: 12/07/11 Customer #: 276817 PO#: 657SC1091

*Laboratory Results*

Sample No: 1112841-01

Sample Description: North Grand MSD 002 Comp.

Collect Date: 11/22/11 11:30

Matrix: Water

Parameters	Result ·	Qual	Analysis Date	Analyst	Method
Semivolatile Organics - STL					
Bis(2-chloroethoxy) methane	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Bis(2-chloroethyl) ether	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Bis(2-chloroisopropyl) ether	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Bis(2-ethylhexyl) phthalate	27 ug/L	•	12/01/11 18:56	jk	EPA 625
Butyl benzyl phthalate	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Chrysene	< 18 ug/L		12/01/11 18:56	jk	EPA 625
Dibenzo(a,h)anthracene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Diethyl phthalste	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Dimethyl phthalate	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Di-n-butyl phthalate	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Di-n-octyl phthalate	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Diphenylamine	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Fluoranthene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Fluorene	< 10 ug/L	•	12/01/11 18:56	jk	EPA 625
Hexachlorobenzene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Hexachlorobutadiene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Hexachlorocydopentadiene	< 10 ug/L		12/01/11 18:56	· jk	EPA 625
Hexachloroethane	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Indeno(1,2,3-cd)pyrene	< 10 ug/L		12/01/11 18:56.	jk	EPA 625
Isophorane	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Naphthalese	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Nitrobenzene -	< 10 ug/L	*. *	12/01/11 18:56	jk	EPA 625
N-Nitrosodimethylamine	< 10 ug/L	4	12/01/11 18:56	jk	EPA 625
N-Nitrosodi-n-propylamine	< 10 ug/L	;	12/01/11 18:56	jk	EPA 625
Pentachlorophenol	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Phenanthrene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Phenol	< 10 up/L		12/01/11 18:56	jk	EPA 625
Pyrene	< 10 ug/L		12/01/11 18:56	jk	EPA 625
Surrogate: 2-Fluorophenol	12 % -10-46.4		12/01/11-18:56	j _k	EPA-625
Surrogate: Phenol- d5	15 % 10-42.9		11/30/11 14:35	jk	EPA 625
Surrogata: Nitrobenzene-d5	62 % 10.1-104		12/01/11 18:56	jk	EPA 625
Surrogate: 2-Fluorobiphenyl	62 % 10-110		12/01/11 18:56	jk	EPA 625
Surrogate: 2,4,6-Tribromophenol	22 % 10-93		12/01/11 18:56	jk	EPA 625
Surrogate: p-Terphenyi-d14	77% 10-111		12/01/11 18:56	jk	EPA 625
Total Metals - STL	•		•	•	
Silver	< 0.0020 mg/L		. 11/28/11 14:39	WPS	EPA 200.7 R4.4

1112841

Page 2 of 9



3278 N. Highway 67 - Florissant, MO 63033 (314) 432-0550 - (800) 333-FAST (3278) - UAN (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 11/23/11 15:35

Report Date: 12/07/11 Customer #: 276817 PO#: 657SC1091

#### *Laboratory Results*

Sample No: 1112841-02

Sample Description: North Grand MSD 002 Grab

Collect Date: 11/22/11 11:30

Matrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Method
Field - STL					
pH ·	7.50 pH Units		11/22/11 11:30	LLO	SM
Temperature, Field Measured	18.2 °C		11/22/11 11:30	LLO	SM
General Chemistry - STL					
Oil & Grease - total	< 5.0 mg/L		11/28/11 08:00	MEP	EPA 1664A
Volatile Organics - STL		•	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	WILL	C/ // 1004/
1.1.1-Trichloroethane	- 5 O#		441004444000		
	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
1,1,2,2-Tetrachloroethane	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
1,1,2-Trichloroethane	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
1,1-Dichloroethane	< 5.0 ug/L		11/29/11 13:33	,8P	EPA 624
1,1-Dichloroethene	< 5.0 ug/L		11/29/11 13:33	8P	EPA 624
1,2-Dichlorobenzene	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
1,2-Dichloroethane	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
1,2-Dichloropropane	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
1,3-Dichlorobenzene	< 5.0 ug/L		11/29/11 13:33	BP.	EPA 624
1,4-Dichlorobenzene	< 5.0 ug/L		11/29/11 13:33	BP .	EPA 624
2-Chloroethylvinyl ether	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
Acrolein	< 25 ug/L		11/29/11 13:33	BP	EPA 624
Acrylonitrile	< 10 ug/L		11/29/11 13:33	8P	EPA 624
Benzene	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
Bromodichloromethane	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
Bromoform	< 5.0 ug/L		11/29/11 13:33	BP ·	EPA 624
Bromomethane	< 10 ug/L		11/29/11 13:33	BP	EPA 624
Carbon tetrachloride	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
Chlorobenzene	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
Chloroethane	< 10 ug/L		11/29/11 13:33	88	EPA 624
Chloroform	< 5.0 ug/L		11/29/11 13:33	8P	EPA 624
Chloromethane	< 10 ug/L		11/29/11 13:33	8P	EPA 624
cis-1,3-Dichloropropene	< 5.0 ug/L		11/29/11 13:33	вр	EPA 624
Dibromochloromethane	< 5.0 ug/L		11/29/11 13:33	ВР	EPA 624
Ethylbenzene	< 5.0 ug/L		11/29/11 13:33	ВР	EPA 624
m,p-Xylene	< 10 ug/L		11/29/11 13:33	8P	EPA 624
Methylene chloride	< 5.0 ug/L	•	11/29/11 13:33	8P	EPA 624
o-Xylene	< 5.0 ug/L		11/29/11 13:33	8P	EPA 624
Tetrachloroethene	< 5.0 ug/L		11/29/11 13:33	BP BP	EPA 624
Toluene	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
trans-1,2-Dichloroethene	< 5.0 ug/L		11/29/11 13:33	8P	EPA 624

1112841





3278 N. Highway 67 - Florissant, MO 63933 (314) 432-9550 - (800) 333-FAST (3278) - PAN (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 11/23/11 15:35

Report Date: 12/07/11 Customer #: 276817 PO#: 657SC1091

*Laboratory Results*

Sample No: 1112841-02

Sample Description: North Grand MSD 002 Grab

Collect Date: 11/22/11 11:30

Matrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Method
/olatile Organics - STL		,	*		
rans-1,3-Dichloropropene	< 5.0 ug/L		11/29/11 13:33	ВР	EPA 624
Frichloroethene	< 5.0 ug/L		11/29/11 13:33	BP	EPA 624
richlorofluoromethane	< 5.0 ug/L		11/29/11 13:33	вР	EPA 624
inyl chloride	< 5.0 ug/L		11/29/11 13:33	₿₽	EPA 624
urrogate: 1,2-Dichlorosthane-d4	86 % 64.1-106		11/29/11 13:33	BP	EPA 624
urrogate: Toluene-d8	89 % 69-98.1		11/29/11 13:33	BP	EPA 624
Surrogate: Bromofluorobenzene	84 % / 62.4-111		11/29/11 13:33	8P	EPA 624

Sample No: 1113014-01

Sample Description: North Grand MSD 002 Grab

Collect Date: 11/23/11 13:00

Matrix: Water

Parameters		Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL		, ,		-		
Phenol	•	< 0.050 mg/L		12/01/11 11:00	DWM	EPA 420.1

1112841

Page 4 of 9



3278 N. Highway 67 - Florissani, MO 63033 (314) 432-6556 - (800) 333-FAST (3278) - FAN (3)44/432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 11/23/11 15:35 Report Date: 12/07/11

Customer #: 276817 PO#: 657SC1091

*Laboratory Results*

#### **Notes**

This report shall not be reproduced, except in full, without the written approval of the laboratory.

PDC Laboratories participates in the following accreditation/certification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

PIA PDC Laboratories - Peoria, IL

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230

Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553 Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240) Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335) Hazardous/Solid Waste Certifications; Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335) UST Certification; Iowa (240)

SPM PDC Laboratories - Springfield, MO

EPA DMR-QA Program

STL PDC Laboratories - St. Louis, MO

NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS EPA Lab No. E-10389

X High recovery in the Lcs, however, these compounds were not found in the samples.

C The blank spike failed to meet the required acceptance criteria.

Barbara G. Pandisto

Certified by: Barb Pandolfo, Project Manager

1112841

Page 5 of 9

PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

CHAIN OF CUSTODY RECORD Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494



	ALL SH	IADED AI	REAS I	UST BE CO	)MP	y FI	FO BY	CLIENT	DI EAC	, . 	22/1/2	n			. 1			
VZA: Weelsal/Cemer	PROJECT	NUMBER		P.O. NUK	ABER .	MA- David B	MEANS	SHIPPED	(r.L.A.	ANA	LYSIS	REQUE	STED		1	Т	(FOR LAB USE ONLY	1
Jefferson Bayracksfereisish 138/Jofferson Barradks 446	314-48	37-0400		FAX NUA	GER .	**************************************	EXAJEA	DORESS	**************************************		-				625		LOGGED BY:	44
SMLOUR MO 50/250 Cher Brigmeeting Services							OW-DRIN	CTYPES: STEWATER IKING WATER LUND WATER LUDGE LUDGE	? ·	Q	D, TSS	je.	Oil & Grease	Volatiles 624	Semi-volatiles		TEMPLATE: PROJ. MOR:	
SAMPLE DESCRIPTION AS YOU WANT ON REPORT	Cou	ME LECTED	c	TIME OLLECTED	G	c	MATRIX	PRESE	RVATIVE	COD	80D	Silver	ō	3	Ser		REMARKS	
North Grand MSD 001	11/2	-22/11	11:00	00:11-0		X	ww	H2SC	04,4C	X			1	7				
(Annual TTO)						X	ww	Cool	4C.		X	H	1	7	7		PH= 9.24	F
	U	/	U	J:		X	w.	HNO	3			x	1	7	$\exists$		Temp = 24,7	79
	11/22	111		1100	х		ww	H2SC	24, 4C				x	十			7 1 1 7	
	1			1:00	X	·	WW	HCL,	4C		·		Ì	X				
	11/21-2	12/11	11:00	0-11:00		X	WW.	Cool t	o 4C		_	_	1		x			
										Ì				1				$\dashv$
													$\top$	1			demonstrate and an absorbed for the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	$\dashv$
		- 7										1	1	+	7		1**	
										1			1	$\top$	7	1	North Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the	$\dashv$
												$\top$		$\top$		$\Box$	William Principles and Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commission of the Commiss	$\neg$
								1		$\exists \dagger$		十	$\top$		1	1		⊢.
TURNAROUND TIME (RUSH YAT IS SUBJECT TO POC LAB 1) Normal (8:10 Bus Days) (] Rush (5 Bus Days) () Fastrakov (	S APROVAL A 3 Bus Deys) ii	IND SURCHARI I1-2 Businesa D	GE) bys [] Same	Day	The	sam	ple tempe	rature will	be measu	red u	pon re	ceipt	at the	e lab.	By is	nitiali	ing this area, you reque	est
Date Due Results by: []								By not init ample temp				ysis, i aliow	r the lhe la	samp b to p	ile ter proce	nper ed w	ing this area, you reque ature is outside of the rith analytical testing	
RELINDUSTRICO BY (Signatural)	22/11	74:40	RECEIVED	Hr. Called	Ť	Date	22/11	Tu":40	-			CO	MENT	'S- (FO	RLAB	USE	DNI V)	
RELINGUISHED BY: (Sentiture)	Oste	Time	RECEIVED	BY.	34	Date		Time		***********			······································			1		-
RELINQUISHED BY: (Signature)	Oeta	Time	RECEIVED	BY:	_	Date		Time	Sample Te Chill proce Sample(s)	sa stari :eceve	ed prior d on Ica	to rece	pt		(X)	N	degrees C	
RELINOUISHED BY (Signature)	Date	Three	RECEIVED	ву.		Date		Ime	Proper bott Bottles file Samples re Date and T	ies roce d with a relived	rd Devie Naupopus Within h	godd a e volum add bro	e e/x.i	- 1	Yor	N	Excludes typical field paramete	rg)

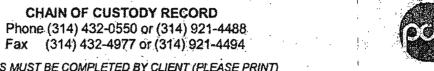
PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

CHAIN OF CUSTODY RECORD
Phone (314) 432-0550 or (314) 921-4488
Fax (314) 432-4977 or (314) 921-4494



	ALL SH	IADED A	REAS MUST	T BE C	OMP	4 F7	ED BY C	LIENT (PLEA	er o	DIALT.	<b>,</b> (				f i	•
V.2: Medical Center	PROJECT	NUMBER		P.O. NUI	MBER	4	MEANS SH	PPED (FLEA.	ANA	LVSIST	EQUE	SYED			<del> </del>	(FOR LAB USE ONLY)
он Jefferson:Barricke:Division 138 Jeffersoft:Barracks	940NE N 314-48	010ER 37-0400		FAX NU	MBER		EMAIL ADD	HESS						625		LOGINS 113017
Side outs (M6) 63/26 Chief Englineering Services							MATRIX T WW WAST DW DRINK GW-GROUN WWSL-SLU NAS-SOLIO	EWATER ING WATER NO WATER DGE	003	BOD, TSS	Silver	Oil & Grease	Volatiles 624	Semi-volatiles	al Phenols	LAB PROJ # TEMPLATE: PROJ. MGR:
SAMPLE DESCRIPTION AS YOU WANT ON REPORT	cei	esten esten	TIME		G	¢	MATRIX	PRESERVATIVE		B	8	ō	\$	Se	Total	REMARKS
North Grand MSD-001						X	WW	H2SO4,4C	X							۲
(Annual TTO )						X	WW	Cool 4C		X			,			pH =
						X	WW -	HNO3			X					Temp=
					x		WW	H2SO4, 4C				X				
					X		WW	HCL, 4C					X			-
		·				X	ww .	Cool to 4C						x		
	11/2	3/11	12:3	0	X		WW	1pre, 1unpr				1	7		x	
											$\dashv$				1	
								Anna Carlotte Anna International Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Con			7	$\top$		-		
										$\neg$	十		$\forall$		H	
			·			•	······					+	+	_	<del>  </del>	
		****								-	$\dashv$	+	+		+	
TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC L D Normal (8-10 Bus Days) 1.1 Rush (5 Bus Days) 1.1 Fushba	ABS APROVAL A	NO SURCHAP	RGE) Days Li Same Day		The	sem	ple tempera	ture will be meas	ured u	pon re	ceipt	at th	e lab	By	initial	ing this area, you request
	1 E-MOZ DEA				10114	C U 1	U. 1-U.U L. 1	a, before proceed By not initialing thin ople temperature.	is area	n anai	ysis, allow	the h	sem sb to	ple te proc	eed w	ature is outside of the analytical testing
Surger II	103/r	15°CI	HECEIVED BY	Parley	7	Gate		5:00	***************************************		CO	UMEN	13· (F	OR LA	BUSE	ONLY)
RELINQUISHED BY. (Signature)	Date	Time	RECEIVED BY:	raw	W).	DE	to (	ne	:	-	~~~~	~~~~~	· 7			The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
RELINGUISHEO BY: (Signature)	Date	Ture	RECEIVED BY:			Date	2 7×	Sample 1 Citil proc Sample is	0558.510/1 0 (BC6)/4	led prior	to.rec	⊭ρ1,		F	or N	degrees C
RELIMOUISHED BY: (Signature)	Date	Time	RECEIVED BY			Oate	The	Proper by	led with a received	eived (n adequat	good s a volun	MG Arivi		1776	N (	Excludes typical field personderal

PDC Laboratories, Inc. – St. Louis-3278 N. Highway 67 Florissant, MO 63033





And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	ALL SHA	ADED AF	REAS MUS	TBECC	OMP	LET	ED BY C	LIENT (PL	EASE P	RINT	}				ŧ		admidda 2 v	
VArNeglea Camer	PROJECT N			PO NUM			MEANS SI			LYSIS		STED	***************************************		,	(FOR LA		
Jeffersch Barracks Division 1480 afterson Barracks	314-487		frame a same a su	FAX NUM	BER		EMAIL ADI	DRESS						625		LOGGED BY		841 18
Stations Moves 125 Chief Engineenin Services								EWATER UNG WATER IND WATER UDGE		BOD, TSS	Silver	& Grease	Volatiles 624	Semi-volatiles		TEMPLATE: PROJ. MGR:		
SAMPLE DESCRIPTION AS YOU WANT ON PEPORT	corri 0v	TE CTED	τα (1 <u>.</u> τα (1.Ε	Œ Cien	, ć	, c	MATRIX	PRESERVATI		8	is	ō	9	Se		RE	MARK	.s
North Grand MSD 002	11/21-	22/11	11:30-	11:30		X	ww	H2SO4,4	C X	<u> </u>								
(Annual TTO )						X	ww	Cool 4C		X					1	pH = -	7,	50
	$\perp \downarrow \downarrow$		1			X	WW	HNO3			x		.			Temp =	18	122
	11/02	1/11	11:3	0	×		WW	H2SO4, 4	1C			X			İ			-
		,	4		x		WW:	HCL, 4C					×					
	1/21-0	2/11	11:30-	11:30		x	ww	Cool to 4	C					X				
Market	-	***************************************										_	_					
		and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t			ļ													
######################################		<del></del>								_					1 .			en en la care antique
		-			<u> </u> .							.						-
	-	<del></del>						<del>                                     </del>		-	$\vdash$						·	
TURNAROUND TIME (RUSH TAT IS SUBJECT TO POC ( 1) Normal (8-10 Bus Days) [] Rush (5 Bus Days) [] Fastral, Date Due		i1-2 Business i	Day's D Same Day	······································	that	the l ge of	ab notify you	rature will be n ou, before prod By not initialir ample tempera	seeding want of this are	ith ana	lysis.	If the	sam	ole to	empe	reture is out	ide of	the
RELINCHISMED BY: (Signature)	122/11	74:4	HEALT	Garlia	at	Pr	122/11	19:40 _			cc	MAKEN	115: (F	ORLA	O USE	(ONLY)		***************************************
RELINOUISHED BY: (SignSture)	Osto	Turne	RECEIVED BY.	<b>******</b>		D	b /	Time	mpereture up	on recei	pt		_5		dagrea		subre.	*
RELINGUISHED BY: (Signature)	Date	Time:	RECEIVED BY	<del>~~~~</del>		Cla	10	Se Se	ili process st mple(s) recei sper bottles (i	ved on it	se.	•		1/1	or N or N		•	+ 7.
RELINOUISHED BY: (Signature)	Deta	Tuna	RECEIVED BY.			Ces	ie 1	Time Bo	dies filled will imples racely to and Tuno of	h adequa nichtier be	ne valu hala la	ine me(s)		YY	or N	(Excludes typics	fraic pa	irametera)

# PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

#### CHAIN OF CUSTODY RECORD

Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494

Por	
156	

OUT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY O	ALL S	SHADED /	AREAS MUS	TBEC	OMF	LET	TED BY (	CLIENT (PLEA	SE P	RINT	}			v	i	
y.Awwedical oanters:		C! NUMBER		P.O. NU	WUER		MEANS S	HIPPED	ANA	LYSIS	EQUE	STEO	-	-	T	(FOR LAB USE ONLY)
Jefferson Barracks Djefer	PHONE	NUMBER 487-0400		FAX MUI	MBER		EMAIL AD	DRESS	+	т	Γ		-	<del></del>	<u> </u>	TLOGIN # 1113014
198 defferson Barracks	314-	+0+-0400	• • • •	1		•		• • •				<u>-</u>		5		LOGGED BY: H
					20467		MATRIX	tvore.	1					s 625		LAB PROJE
Office Bandles 12		www.					WW-WAST			0		356	624	file	sis	TEMPLATE:
Chief, Englineering Service							GW-GROU WWSL-SU	IND WATER JDGF		TSS		Grease	Se	vola	Phenois	PROJ. MGR
SAMPLE DESCRIPTION AS YOU WANT ON REPORT	THE RESERVE OF THE PROPERTY OF	DATE DUECTED		22			NAS-SOLIE	)	- 8	BOD,	Silver	య	Volatiles	Semi-volatiles	. —	
	C(	PLLECIED	COLLEC	CIED	Ç	C		PRESERVATIVE	1	ğ	Ø	ō	8	S	Total	REMARKS
North Grand MSD 002						X	WW	H2SO4,4C	X							
(Annual TTO )						X	WW	Cool 4C		x	1					pH =
N						×	WW	HNO3			X	-	$\neg$	-		Temp =
					X		ww	H2SO4, 4C			-	x	$\dashv$		-	
					x		ww	HCL, 4C	$\vdash$		$\dashv$	-	x	$\dashv$	-	The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th
		<del></del>	1			x	ww	Cool to 4C	$\vdash$		-					
	11/2	63/11	12.0	7~	x		ww	1pre, 1unpr			4			×		
	11/6	27/ "	13:0	<i>7</i> 0_			****	tpre, tumpr							X	
		-	ļ				***************************************									A Marian Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of t
														1		
								***************************************		_	-	. +	十	$\dashv$	+	_
Manager and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second			-							+	-	-	+	-+	<del>   -</del>	
IRNAROUND TIME (RUSH TAT IS SUBJECT TO PO	C ARS APPOVAL	ANN COMPOSITION	1								十	十	+	$\dashv$		
Le OueResults by	akna (3 Bus Daya)	1-2 Business	Days Li Same Day		rang	e of C	7.1-6.0°C		ng willi							ng this area, you request ature is outside of the ith analytical testing
LINGUISHED BY: (Signature)	11/23/11	1300	HECEWED BY:	Eathar	F	Den		\$:00			CON	MENT	S: (FC	RLAB	USE C	MLY)
	Oate	Time	RECEIVED BY			Dete		ne					1.	1	-	Samula
LINOUISHED BY: (Signature)	Date	Time	RECEIVED BY:	-		Oate	Tir	Temperar Chill proc Sample(s	ure upon ess staria	receipt of prior i	o nece	ipt.	N.	1/1/01		
LINQUIS(ED BY: (Signature)	Date	Time	RECEIVED BY:			Date	Te	- Proper or	ilion rora	and in a	annd a		, 	K.E.		er a gar de la la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania del compania de la compania de la compania del compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania de la compania del compania de la compania de la compania del compania de la compania de la compania de la compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania del compania de

Msd

## METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL FACILITY REINSPECTION REPORT

Company: VA Medical Center			Account #:	1114046000
Company: VA Medical Center  Premise Address: 915 N. Grand Boulevard			Zip Code:	63106
MSD Classes: SIU 🛛 CIU 🗌 Surch 🗍	Potential T	Toxic Wa	ste 🛛 Non-Tox	ic Proc Waste
No Process Flow Multi-	·User $\square$	Special	Handling/Billi	ng 🗌
Company Representative: Ed Beaty	<del></del>			_
Title: Pipefitter Foreman			Phone#: 314-2	289-6450
Inspector: Dave Kupke			•	
Others Present: None			The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
Inspection Date: 10/13/11 Time: From	09:18 AM	To 10:	42 (Last In	10/26/10
NOTE: ALL ITEMS ARE TO BE COMPLETED BASED ON INFORMATION OBTAINED OR PROVIDED BY COMP	I EVENTS SI	NCE LAST	INSPECTION. ANS	WERS ARE BASED ON
	mu boning .	THOPHOIL	M, AS MEDD AS IN	CORMATION IN FILE.
*** DATABASE ALSO UPDATED WITH APPROPRI	ATE CHANGES	S - see	attached databa	se reports ***
1. A. ARE THERE ADDITIONAL NON-STORMWA	TER ACCOUN	T NUMBER	S?	Yes□ No⊠
List them, note any changes:	MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGEM MANAGE			
B. Did all acct no's have water usa	ge on PIMS	?		Yes⊠ No□
C. If no to B, explain:			;	
2. PROCESSES & CLEANUP/WASHDOWN:	Cont/	Tile to a sec	Dagagan	
2. FROCESSES α CHEANUP/WASHDOWN:	Batch	Water Used?	1 - 1	(Camum ) -
Transita I and Talente			of discharge	Sample pt.
Hospital and Lab waste Kitchen waste	Cont	Yes	daily	SP001, SP002
	Cont	Yes	daily	SP001
Process-cage washdown and lab research	Cont	Yes -	daily	SP001, SP002
Digital Imaging	G	<del> </del>	1	
NCCW-Autoclaves	Cont	No	no discharge	N/A
	Batch	Yes	daily	SP001
Boiler blowdown, RO/Reject	Cont	Yes	daily	SP001
3. PRETREATMENT (other than grease traps) -	describe.		•	Cample nt
pH adjustment	deberrbe.			Sample pt.
pir adjustment			· · · · · · · · · · · · · · · · · · ·	SP001, SP002
			7 (VAY Y (State of the state of	
4. DOES COMPANY HAVE ANY GREASE TRAPS?				Yes⊠ No∏
If yes: A. List sample points: SP001				TEPM NO
B. What is the frequency for cle	aning & ma	intenanc	e? quarterly	
C. Are any additives used in tra	ps?		dual colly	Yes□ No⊠
D. If yes to C, was co. warned MSD v		nem for b	lockages they cau	ıse? Yes⊠ No□
E. Was co. informed that MSD perform				Yes⊠ No□
en en de la companya de la companya de la companya de la companya de la companya de la companya de la companya				
5. HAS COMPANY CONSTRUCTED NEW BLDGS/AD	DITIONS WI	TH SEWER	RS SINCE LAST IN	NSP? Yes□ No⊠
If yes: A. Ask company: Did they notify !	MSD's Plan	Review	group? Unkr	nown Yes No
B. If no or unknown, has inspected	or notified	d Plan R	eview group?	Yes No
6. HAS COMPANY BEGUN DISCHARGING ANY NE	W POLLUTAN'	TS SINCE	THE LAST INSP?	Yes∏ No⊠
If yes: A. List pollutants & process:				Africana
B. Will MSD STP exceed existing I	NPDES disch	narge li	mit(s)?	Yes No
G 17173 arm mm. at 1		l for an	v new pollutant	? Yes No
C. Will MSD STP's discharge exceed	ea v.ı mg/ı	L LOL an	, poziacemie	, ,,
C. Will MSD STP's discharge exceed (MSD must notify MDNR if B or	Ç is yes a	and disc	harge will cont	inue.)
C. Will MSD STP's discharge exceed	c is yes a	and disc	harge will cont	inue.)
C. Will MSD STP's discharge exceed (MSD must notify MDNR if B or D. Comments:	C is yes a	and disc	harge will cont	inue.)
C. Will MSD STP's discharge excee (MSD must notify MDNR if B or D. Comments:  7. ARE THERE ANY FEDERALLY REGULATED (4	C is yes a	and disc 471) OPE	harge will cont	inue.) Yes⊠ No□
C. Will MSD STP's discharge exceed (MSD must notify MDNR if B or D. Comments:	C is yes a 0 CFR 405-4 ng any disc	and disc 471) <u>OPE</u> charge):	harge will cont	inue.) Yes⊠ No□

(08/11)

	S CATEGORIO A. At whice		ER COMBII	NE WIT	H NON-CAT. WW PRIOR TO SAMPLING?	Yes∏ No⊠
II yes:		applied fac	ctor.		To it corrects	v
		list correct		/evnla	Is it correct?	Yes No
	C. 11 110,	TIBE COLLEC	c raccor,	evbra	<del></del> .	
9. IS If yes:			TO PRODU	JCTION	OR MASS BASED STANDARDS?	Yes□ No⊠
II yes.			of the	currer	nt limits, has the long term avg	Yes No
					ume changed by 20% or more?	Tes NO
		to B, expla		,		
	•		-			
10. ARE	ANY RADIO	ACTIVE MATER	IALS HAN	DLED?	$oldsymbol{\cdot}$	Yes⊠ No□
If yes:	A. Describ	oe operation	s & dispo	osal:	radioisotopes used in inject patients	
	B. Does co	mpanv have M	MSD autho	rizat		Yes⊠ No∏
		ecent author				109M NOC
					complete calendar year: 0	
		_			<u> </u>	
11. DOE					APPEAR EXCESSIVE?	Yes No
A.					needed changes:	
	Tour of th	ne facility	revealed	no ex	cessive water usages a significant	portion of
	the water	usage comes	from it:	s Boil	er and cooling tower operations. T	he hospital
	waste com	es from it:	s dietar	y, la	boratory. The hospital area has	an animal
	resarch ar	ea that's p	rincipal	usage	comes from cage washing.	
					, DOES COMPANY APPEAR TO HAVE	Yes⊠ No□
		AT IS NOT DI				
					wer evaporative loss	57 (7
ь.					e given to company?	Yes⊠ No□
		e of whathar	r come we	ter i	a notidiacharged to cover)	
	( <u>regardies</u>	s of whether	r some wa	ter i	s not discharged to sewer)	
13. HAS						ves No M
	COMPANY EX	CEEDED ORDI	NANCE DIS	SCHARG	E LIMITS SINCE LAST INSPECTION	Yes□ No⊠
OR	COMPANY EX	CEEDED ORDI	NANCE DIS	SCHARG last i	E LIMITS SINCE LAST INSPECTION nsp <12 months ago)?	Yes∏ No⊠
OR If yes: 1	COMPANY EX	CEEDED ORDI	NANCE DIS THS (if : Sample	SCHARG last i Is pı	E LIMITS SINCE LAST INSPECTION	Yes∏ No⊠
OR If yes: 1	COMPANY EXWITHIN THE	(CEEDED ORDI	NANCE DIS THS (if : Sample	SCHARG last i Is pı	E LIMITS SINCE LAST INSPECTION nsp <12 months ago)?	Yes∏ No⊠
OR If yes: 1	COMPANY EXWITHIN THE	(CEEDED ORDI	NANCE DIS THS (if : Sample	SCHARG last i Is pi Y/N N/A	E LIMITS SINCE LAST INSPECTION nsp <12 months ago)?	Yes□ No⊠
OR If yes: 1	COMPANY EXWITHIN THE	(CEEDED ORDI	NANCE DIS THS (if : Sample	SCHARG last i Is pr Y/N N/A N/A	E LIMITS SINCE LAST INSPECTION nsp <12 months ago)?	Yes□ No⊠
OR If yes: 1	COMPANY EXWITHIN THE	(CEEDED ORDI	NANCE DIS THS (if : Sample	SCHARG last i Is pi Y/N N/A	E LIMITS SINCE LAST INSPECTION nsp <12 months ago)?	Yes No
OR If yes: 1	COMPANY EXWITHIN THE	(CEEDED ORDI	NANCE DIS THS (if : Sample	SCHARG last i Is pr Y/N N/A N/A N/A	E LIMITS SINCE LAST INSPECTION nsp <12 months ago)?	Yes No
OR If yes: 1	COMPANY EXWITHIN THE	(CEEDED ORDI	NANCE DIS THS (if : Sample	SCHARG last i Is pr Y/N N/A N/A	E LIMITS SINCE LAST INSPECTION nsp <12 months ago)?	Yes□ No⊠
OR If yes: 7	COMPANY EXWITHIN THE	CCEEDED ORDI LAST 12 MON When	NANCE DISTHS (if Sample Points	SCHARG last i Is pr Y/N N/A N/A N/A N/A	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  roblem resolved?  Describe	Yes No
OR If yes: 7	COMPANY EXWITHIN THE	CCEEDED ORDI LAST 12 MON When	NANCE DISTHS (if Sample Points	SCHARG last i Is pr Y/N N/A N/A N/A N/A	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe	
OR If yes: A B.  14. HAS INS	COMPANY EXECUTION OF THE COMPANY EXECUTION OF THE COMPANY EXECUTION OF THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COMPANY EXECUTED IN THE COM	CEEDED ORDI LAST 12 MON When	NANCE DISTHS (if Sample Points	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe	Yes No
OR If yes: I B.  14. HAS INS If yes: I	COMPANY EXECUTION OR	CCEEDED ORDI: LAST 12 MON' When  CCEEDED CATE: WITHIN LAST	NANCE DISTHS (if Sample Points  GORICAL IT 12 MONTH Sample	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A IN/A IN/A IN/	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?  coblem resolved?	
OR If yes: I B.  14. HAS INS If yes: I	COMPANY EXECUTION OR	CEEDED ORDI LAST 12 MON When	NANCE DISTHS (if Sample Points  GORICAL I	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?	
OR If yes: I B.  14. HAS INS If yes: I	COMPANY EXECUTION OR	CCEEDED ORDI: LAST 12 MON' When  CCEEDED CATE: WITHIN LAST	NANCE DISTHS (if Sample Points  GORICAL IT 12 MONTH Sample	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A N/A N/A PRETRE HS (if Is pr Y/N N/A	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?  coblem resolved?	
OR If yes: I B.  14. HAS INS If yes: I	COMPANY EXECUTION OR	CCEEDED ORDI: LAST 12 MON' When  CCEEDED CATE: WITHIN LAST	NANCE DISTHS (if Sample Points  GORICAL IT 12 MONTH Sample	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A N/A N/A N/A N	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?  coblem resolved?	
OR If yes: I B.  14. HAS INS If yes: I	COMPANY EXECUTION OR	CCEEDED ORDI: LAST 12 MON' When  CCEEDED CATE: WITHIN LAST	NANCE DISTHS (if Sample Points  GORICAL IT 12 MONTH Sample	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A N/A N/A N/A N	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?  coblem resolved?	
OR If yes: I B.  14. HAS INS If yes: I	COMPANY EXECUTION OR	CCEEDED ORDI: LAST 12 MON' When  CCEEDED CATE: WITHIN LAST	NANCE DISTHS (if Sample Points  GORICAL IT 12 MONTH Sample	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A N/A N/A N/A N	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?  coblem resolved?	
OR If yes: I B. 14. HAS INS If yes: I	COMPANY EX WITHIN THE A. Pollutant  Comments: COMPANY EX PECTION OR A. Pollutant	CCEEDED ORDI: LAST 12 MON' When  CCEEDED CATE: WITHIN LAST	NANCE DISTHS (if Sample Points  GORICAL IT 12 MONTH Sample	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A N/A N/A N/A N	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?  coblem resolved?	
OR If yes: I B.  14. HAS INS If yes: I	COMPANY EXECUTION OR	CCEEDED ORDI: LAST 12 MON' When  CCEEDED CATE: WITHIN LAST	NANCE DISTHS (if Sample Points  GORICAL IT 12 MONTH Sample	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A N/A N/A N/A N	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?  coblem resolved?	
OR If yes: I B.  14. HAS INS If yes: I	COMPANY EX WITHIN THE A. Pollutant  Comments: COMPANY EX PECTION OR A. Pollutant  Comments:	CCEEDED ORDI: LAST 12 MON' When  CCEEDED CATE WITHIN LAST When	NANCE DISTHS (if Sample Points  GORICAL I 12 MONTE Sample Points	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A N/A N/A N/A N	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?  coblem resolved?  Describe	Yes No
OR If yes: 7 B. 14. HAS INS If yes: 7 B.	COMPANY EXECUTION OR A. Comments:  Comments: COMPANY EXECUTION OR A. Comments: Comments: Comments:	CEEDED ORDI: LAST 12 MON' When  CEEDED CATE WITHIN LAST When  CN ANY PROBLE	NANCE DISTHS (if Sample Points  GORICAL I 12 MONTH Sample Points	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A N/A N/A N/A N	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?  coblem resolved?  Describe  SINCE LAST INSPECTION?	
OR If yes: I B.  14. HAS INS If yes: I	COMPANY EXAMPLE A.  Comments: COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION OR COMPANY EXERTION	CEEDED ORDI: LAST 12 MON' When  CEEDED CATE WITHIN LAST When  CN ANY PROBLE Bypass	NANCE DISTHS (if Sample Points  GORICAL I 12 MONTH Sample Points  EM DISCHARGE OF PROPERTY OF THE POINTS	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A N/A N/A N/A N	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  roblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?  roblem resolved?  Describe  SINCE LAST INSPECTION?  ment facilities?	Yes No
OR If yes: 7 B. 14. HAS INS If yes: 7 B.	COMPANY EX WITHIN THE A. Pollutant  Comments: COMPANY EX PECTION OR A. Pollutant  Comments: Comments: Comments: Spills?	CEEDED ORDI: LAST 12 MON' When  CEEDED CATE WITHIN LAST When  CN ANY PROBLE Bypass	NANCE DISTHS (if Sample Points  GORICAL I 12 MONTH Sample Points  EM DISCHARGE of prischarge	SCHARG last i Is pr Y/N N/A N/A N/A N/A N/A N/A N/A N/A N/A N	E LIMITS SINCE LAST INSPECTION  nsp <12 months ago)?  coblem resolved?  Describe  ATMENT LIMITS SINCE THE LAST NA  last insp <12 months ago)?  coblem resolved?  Describe  SINCE LAST INSPECTION?	Yes No

2

CHE		OF PROCESS TANKS, ST H SANITARY SEWERS OR	·	OR STORED	Yes□ No⊠
II yes:	A. What heeds to i	be done:			
If no:		ontrolled? are employed for it inets contain solvent			
		DURING INSPECTION, A PEAR TO IMPAIR STORMW.  De done?		AREAS WHERE	Yes∏ No⊠
C.		nwater Discharges" bro ether there are any pr		o company?	Yes⊠ No□
		SPILL CONTROL OR SLU	G DISCHARGE CO		Yes⊠ No□
If yes:		•	Last	Update needs	
	Title		Update	Explain if y	/es
	1. SPCCP		11/1/97	NO N/A	
В.	<u> </u>	ded (in addition to the	hose listed in		Yes No⊠
	_	mpany and request)			TOOL NOW
		MAINTENANCE SHOP PAR			Yes⊠ No□
If yes:		olvent name: Safety			** 7
		cants (or "none"): Bolvent disposed? hau		Benzene, Toluene	, xylene
	(Parts washer so	lvents are not included less conditions show po	in database's		s list, nor
20. ARE If yes:		OLVENTS USED (OTHER T	HAN IN PARTS V 413/433/469	VASHERS)?	Yes⊠ No∏ Priority
	components	Used for?	Process?	How disposed?	Pollutant?
	Xylene, Alcohols	lab solvent	Yes□ No⊠	reclaimed	Yes□ No⊠
	Phenol, Toluene	1-2	17[] 17-[2]	hauled offsite	
	Phenor, fordene	lab reagent	Yes No	hauled offsite	Yes No
			Yes No		Yes No
			Yes No		Yes No
			Yes No		Yes No
		13/433/469-REGULATORY			Yes□ No⊠
(or If yes:		any uses solvents in			
ir yes.		a Spill/Slug Control : te of last update for		oove: Yes[1.	
	C. Is there a copy D. Does SMP addres	y of the Spill/Slug P ss all 413/433/469 so	lan or SMP in lvents?		Yes No Yes No
n - water stands and address or controller was	(If no to C or	D, write company and	<u>require</u> submi	ttal_and/or_upda	<u>te)</u>
22. ARE A.	Was company provide emergency response	ATION PROCEDURES POST ded notification cards e personnel can locate	s & told to po e them?	st where	Yes No
	(Must post if co.	generates process was	stewater or st	ores chemicals of	f concern)

23. IS COMPANY REQUIRED TO SELF-MONITOR ANY OF THEIR DISCHARGES?  If yes: A. Is requirement contained in permit or other document .  B. If other document, date & description:  C. How frequently is sampling required? quarterly  D. How frequently are reports required? quarterly  E. Have reports been on-time, complete & signed by proper person?  F. If no, explain:	Yes⊠ No□
<pre>24. DOES COMPANY SELF-MONITOR ITS WASTEWATER DISCHARGE? If yes: A. Is the self-monitoring required by MSD? B. Does sample collection time period match co's production shifts C. Are representative grab/comp samples collected? D. Are EPA-approved 40 CFR 136 wastewater test methods used? E. If no to B, C, or D,</pre>	Yes No No Yes No Yes No Yes No Yes No Yes No Yes No Yes No
25. DOES CO. CONTINUOUSLY MONITOR AT SAMPLE POINT AND KEEP A PERMANENT RECORD FOR: pH [], TEMP [], LEL []?  If yes: A. At which SPs? B. Does company submit quarterly summaries? C. If no, explain:	Yes□ No□
26. DOES MSD SPLIT SAMPLES WITH THE COMPANY?  If yes: A. Is company having the samples analyzed  B. How does company insure proper preservation, holding times & analytical	Yes No Yes No No No No No No No No No No No No No
C. Has company submitted results of all split sample analyses since the last insp D. Have results been submitted within 28 days of the collection's calendar quarte E. If no to C, or D, explain: F. Does company still want to split samples? G. Comments:	
27. IS COMPANY UNDER ANY ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS SUBMIT COMPLIANCE SCHEDULE REPORTS?  If yes: A. Type and date:	
<ul><li>B. Have the reports &amp; actions been on-time &amp; complete?</li><li>C. If no, explain:</li></ul>	Yes No
28. ASK COMPANY: IS CO. IN COMPLIANCE W/APPLICABLE NESHAP REGS FOR WW DISCHARGES?  [Some MDNR-issued Title V air permits for specific processes allow pre-approximate www discharge.] [City/County-issued air permits are not NESHAP permits.]  If no: A. Describe:	Yes No
B. Was MDNR Air Pollution Control informed? (must be done)	Yes No
29. DOES COMPANY RETAIN ALL WASTEWATER RECORDS FOR AT LEAST 5 YEARS?  If no: A. How long does company retain records?	Yes⊠ No□
B. Was company told to retain for at least 5 years, per ordinance? C. Where are they kept? All MSD related files are kept on-site and Department of Veterans Affairs.	
30. DO MSD CLASSIFICATIONS NEED TO BE REVISED?	Yes No
If yes: A. Indicate correct classifications:  SIU CIU Surch. Potential Toxic Waste Non-Toxi  No Process Discharge Multi-User Special Handling/Bil  B. Explain changes:	

31. If ye		S COMPANY CLASSIFIED AS "Multi-User"?  A. Is company's discharge segregated from other tenants' discharge? Yes N B. If no to A, does the company own the bldg/receive the MSD bills? Yes N C. If yes to B, was company informed it is responsible for total discharge, or else must provide segregated sample points? Yes N D. If no to B, are any Process/P&E Wash-type wastes discharged? Yes N E. If yes to D, are the wastes completely innocuous? Yes N (Explain why:)							No No No No No	
	н.	G.	If ye segre	s to D, an gated SP. to D or y	d no to E, c Acceptance l	etter date: _	accept responsi Or write t only" on PIM	co. w/requir		
32. If ye			PANY C	LASSIFIED	AS "Special	Handling/Bill	ling"?		Yes[	No⊠
				ny changes s, explain		easons/detail	.s?		Yes[	No
		D.			cords review g reports?	ed & verified	l for special	ПАИ	Yes	No
33.	SAM	1PLE	POINT	S				•	DJ	(y/n)
	SP	#	001	Fed.Reg.		Components:	Sanitary, Boiler bl RO/Reject wa Kitchen waste,	owdown, ter, Lab v	vaste, NCCW, vaste,	No
	SP	#	002	Fed.Reg.		Components:	Hospital was		vaste,	No
	SP	#		Fed.Reg.	, , , , , , , , , , , , , , , , , , ,	Components:				N/A
	SP	#		Fed.Reg.		Components:				N/A
٠	SP	#		Fed.Reg.		Components:	1			N/A
34. If ye		Α.	List	SPs:	TRAPPED VENT	•	ered, and told	why?	Yes \( \)	
35. If ye				ES AT ANY SPs and re		RREGULAR ENOUG	GH TO ALLOW GRA	B SAMPLES?	Yes	№⊠
36.	Dur	nmy	ERE AN SP # SP #	Com	ED DISCHARGES  ponents:	S? (list each	lateral separa	tely)	Yes 🗌	No
37. If ye				E POINTS ( Sample Poi		nsampled/Dummy and SP002	y SPs) RECEIVE	STORMWATER?	Yes🏻	ИоП
-3-8	-WE A. B.	I	f any	SPs cannot	be located	mmy-SPs) OPEN or opened, ex be changed, e		? No -SPs	- Yes⊠	No
	C. D. E.	$\frac{W}{I}$	as ANY f yes	grease or to C, list	other probl	em/debris obs	served in any S		Yes \begin{array}{c} Yes \begin{array}{c} \end{array}	
39.	REV A. B	Is	the m			e in <u>all</u> its	Last map revis details?	ion date: 2/	′25/09 Yes⊠	No

40. DO INSTRUCTIONS FOR "Contact Prior to Sampling" OR FIELD VISIT "Special Instructions" NEED REVISION?

If yes: A. List needed changes:

Yes□ No⊠

USE THIS SPACE FOR ANY OTHER COMMENTS/OBSERVATIONS PERTINENT TO YOUR INSPECTION OF THIS SITE. Silver will remain as a monitoring requirement until contact can verify all Silver sources have been removed from the site.

(08/11)

## ME OPOLITAN ST. LOUIS SEWER DISTRICTION OF THE SEWER DISTRICTION OF THE SEWER DISTRICTION OF THE SEWER DISTRICTION OF THE SEWER DISTRICTION OF THE SEWER DISTRICTION OF THE SEWER DISTRICTION OF THE SEWER DISTRICTION OF T

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO.

1114046000

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

WUNNENBERGINKO. NDUSTRIAL DISER CLASSIFICATIONS SIU CRIMARIA SIU Base Map 19F2 03/06/1997 POTM Reasonable potential for adverse affect on 03/06/1997 DTW Wun:St. Louis City & Co. Grid: G 19 Page 27 MOITEMANS OF ALL LIAREINE DE INSPECTION INFORMATION MONTANA TORINI THI MERE IUQ INFORMATION Issue Date: Office Mailing Address 02/01/2007 IUQ Recvd Date: 08/14/2001 Next Due Expire Date: 01/31/2012 915 N. Grand Boulevard Insp Rslt Reviewer: Fabian Grabski St. Louis, MO. 63106 Extended Date: 12/31/2007 IUQ Recvd Date: 09/19/2006 10/13/2011 RIN__ David Kupke **Billing Address** Writer Fabian Grabski Reviewer: Fabian Grabski 915 N. Grand Blvd Issue Date: 01/01/2008 IUQ Recvd Date: 09/07/2011 St. Louis, MO. 63106 Expire Date: 01/31/2012 Reviewer: David Kupke **Extended Date:** Writer Scott Rehmer CONTACTS BILL Keith Repko Service Chief/Engineering OFF (314) 289-6438 Ext. FLDI Ed Beaty Pipefitter Foreman FAX (314) 289-6589 Ext. Ed Beaty Pipefitter Foreman OFF (314) 289-6450 Ext. Roger Todd FLD2 General Foreman **OFF** (314) 289-6331 Ext. OFF1 Ed Beaty Pipefitter Supervisor **OFF** (314) 289-6450 Ext. OFF2 Roger Todd General Foreman OFF (314) 289-6331 Ext. KONVANOSKII JAMONVASEKO OTHER AGENCIES INFORMATION 12/02/1996 EPA - Hazardous Waste Program MOD93060090030 Work Days: S M T W T F S 01/29/1997 **Nuclear Regulatory Commission** 24-00144-05 12:00AM 8.0 Y Y Y Y 150 Ÿ Y 1 01/17/1999 MDNR - Hazardous Waste Program 004272 2 750 08:00 AM 8.0 Y Y Y Y Y 06/21/2006 MSD - Billing Account Number 00086730 300 04:00PM v 8 በ Y Total Emp: 1,200 Hrs: 24.0 SON SERVER MASTIE On-Site Storage Y On-Site Disposal Off-Site Disposal 09/07/2011 Acids and/or Alkalies 10 **GPY** 09/07/2011 Equipment Oils and/or Grease 50 **GPY** 09/07/2011 Infectious Waste 120000 LB/YR 09/07/2011 Kitchen/Food Service Grease 100 **GPY** 09/07/2011 Radioactive Waste <10 **GPY** 09/07/2011 Solvents/Thinners 50 **GPY** 09/07/2011 Organic Compounds **GPY** 15 QMMENT INEMP SIGINFORMATION MATERIAL_DESCRIPTION QUANTITY UNIT EFF DATE SIC DESCRIPTION

8062

UNIT

General Medical & Surgical Hospitals

AVG_PROD_MAX_PROD

Report No. PIMS012A Data Date & Time:

PRODUCTS

EFF DATE DESCRIPTION

05/07/2004 General hospital services

10/25/2011 10/25/2011 10:42:49 am 10:42:50 am

MSD 043325

## MF OPOLITAN ST. LOUIS SEWER DISTRICTION OF ALL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME

VA MEDICAL CENTER INO. 1114046000

PRIMARY MSD ACCOUNT NO. 111404600

Premise Address

915 N. Grand Boulevard St. Louis MO. 63106

SEWER ACCOUNTS
Sewer Accounts
1114046000

WATER CONSUMPTION AND WASHEW	MURDIS	CHARGE			
Start Date = 12/01/2009 1280000001=	10/20/	2011 12:59:59P <b>M</b> days	Cdays		
Acet. No.	Co	nsumption		Disc	harge
1114046000	CCF's	Gallons		Gal/ Wday	Gal/ Cday
1114046000 08/15/2009 12/07/2009	17,787	17,787 A 115	115	115	
1114046000 12/08/2009 02/23/2010	8,898	26,685 78	78	193	
1114046000 02/24/2010 06/02/2010	14,268	40,953 99	99	292	
1114046000 06/03/2010 08/20/2010	19,677	60,630 79	79	371	
1114046000 08/21/2010 11/19/2010	14,528	75,158 91	91	462	
1114046000 11/20/2010 03/03/2011	12,535	87,693 104	104	566	
1114046000 03/04/2011 05/23/2011	10,677	98,370 - 81	81	647	
1114046000 05/24/2011 08/30/2011	13,564	111,934 99	99	746	
RF 0.62 Acct. Total	111,934	83,732,453	746	746 69,590	69,590
Facility Total	111,934				_

CONNECTION LATERAL NO.	and SAMBLE POINT INFORMATION  Lateral Type	DSMH Tr	eatment A	Area Bissell I	Point		
01	Sanitary Or Combined	19F2 345C	Trunk S		Mill Creek		
Description	Multiple lines exiting buildings on N side of o	campus into 12" main	in Bell				
Sewer Route	W on Bell, S on Vandeventer, E through RR	yard, E on Chouteau,	E on Rutge	er to River, N to S	ГР		
SAMPLE POIN	T NO. 001 Ordinance	NPDI	ES Outfal	l No.			
Description	MH S of Bell curb 80' E of Spring (Total I	Flow)					Effective
Discharge Com	ponents Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Date
Storm Water	•	0	GPD		GPD	D	4/16/08
Sanitary		18,000	GPD		GPD	D	9/7/11
Non Contact Coo	ling Water	8,250	GPD		GPD	D	9/7/11
Kitchen Waste		10,372	GPD		GPD	D	9/7/11
Boiler Blowdown		3,025	GPD	•	GPD	D	9/7/11
Regeneration/Rej	ect Water	2,787	GPD		GPD	D	9/7/11
Laboratory Waste	Animal, Research, + Diagnostic Labs	6,036	GPD		GPD	D	9/7/11
Hospital Waste	•	36,303	GPD	•	GPD	D	9/7/11
	Total Flow Avg =	84,773	ľ	Max =			
	and SAMPLE ROINT INFORMATION	Ribacaccessacoccessacoccos distributes securita	REGISTREFERENCERPRINSEREN	925192251925194000000000000000000000000000000000000	0550000055000005500005500005509	400000000000000000000000000000000000000	) 1000000000000000000000000000000000000
LATERAL NO.	Lateral Type	DSMH Ti	eatment A	Area Bissell I	Point		
02	Sanitary Or Combined	19F2 352C	Trunk S	Sewer Western	Mill Creek		
Description	Multiple lines exiting buildings on S side of c	ampus into 12' main i	n Enright				
Sewer Route	W on Enrightl, S on Vandeventer, E through	-	_		to STP		
		icit yanu, 2 on onoun			W DII		
SAMPLE POIN	TT NO. 002 Ordinance	NPD	ES Outfal	l No.			
Description	Offset MH @ Spring & Enright 75' SW of	building #5 (Total Flo	(w)				Effective
Discharge Com	ponents Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Date
Storm Water		0	GPD		GPD	D	4/16/08
Hospital Waste		12,101	GPD		GPD	D	9/7/11
Sanitary		6,000	GPD		GPD	D	9/7/11
Non Contact Coo	ling Water	2,750	GPD		GPD	D	9/7/11
Non Contact Coo						_	0.000
Laboratory Waste	Diagnostic + Research Labs	4,336	GPD		GPD	D	9/7/11

#### OPOLITAN ST. LOUIS SEWER DISTRIC AL DATA SHEET - FACILITY INFORMA

INDUSTRY NAME

VA MEDICAL CENTER

PRIMARY MSD ACCOUNT NO. 1114046000 **Premise Address** 

915 N. Grand Boulevard St. Louis MO. 63106

RESIDERATION TO THE RESIDERAL PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE

SP EFF DATE TYPE DESCRIPTION

001 03/16/1998 DC28 Grease Trap

001 02/02/2004 DC37 pH Adjustment/Neutralization pH Adjustment/Neutralization 01/16/2003 DC37

PRIORITY POLLUTANTS

Pollutant Description	Status	Pollutant Description	Status	Pollutant Description	<u>Status</u>
Asbestos (Fibrous)	SP	Cadmium (Total)	SP	Mercury (Total)	SP
Lead (Total)	SP	Phenol	KP	Toluene	KP
Chloroform	Sp.				

EXTURA SURENGUIL SURGIAN GE INFORMATION

#### PIMS FACILITY CONTACTS

For Account Number Selecte 1114046000

VA MEDICAL CENTER

Located at

915 N. Grand Boulevard

St. Louis

MO 63106

Address	Type
---------	------

Contact Type		Contact Name	Contact Title	Phone Type	Number	Ext.
Billing Address						
Billing Contact	Keith	Repko	Service Chief/Engineering	OFF	(314)289-6438	
Office Mailing Address						
Office Contact - Primary	Ed	Beaty	Pipefitter Supervisor	OFF	(314)289-6450	
Office Contact 1st Alt	Roger	Todd	General Foreman	OFF	(314)289-6331	
Premise Address	_		•			
Field Contact - Primary	Ed	Beaty	Pipefitter Foreman	FAX	(314)289-6589	
Field Contact - Primary	Ed	Beaty	Pipefitter Foreman	OFF	(314)289-6450	
Field Contact 1st Alt	Roger	Todd	General Foreman	OFF	(314)289-6331	
	_	i .			•	

# PIMS REPORT OF FIELD SAMPLING REQUIREMEN VA MEDICAL CENTER

#### Account No Entered 1114046000

SPN	PREMISE ADDRESS		CITY ST		ZIP
	915 N. Grand Boulevard		St. Louis MO		63106
001 Project Code: Pollutant Group	IM = I Poll Code	PD - Company - MSD Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2012
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2012
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2012
	T237000	pH	Once/year	Grab	06/30/2012
	T247000	Temperature	Once/year	Grab	06/30/2012
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2012
	T257000	Total Phenols	Once/year	Grab	06/30/2012
	T393000	Silver (Total)	Once/year	Comp-Time 04 Hrs	06/30/2012
Ni 11 . O	T991000	Phenolic Organics - Acids	Once/year	Grab	06/30/2012
rnenolic Organics - Acids	1331000	THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S			
Phenolic Organics - Acids Volatile Organics	T996000	Volatile Organics	Once/year	Grab	06/30/2012
Volatile Organics	T996000	_	•	Grab Sample Type	06/30/2012 End Date
Volatile Organics  002 Project Code:	T996000 IM= I	Volatile Organics  PD - Company - MSD	Once/year		
Volatile Organics  Oo2 Project Code:	T996000  IM = I Poll Code	Volatile Organics  PD - Company - MSD  Pollutant Description	Once/year Frequency	Sample Type	End Date
Volatile Organics  002 Project Code:	T996000  IM = I Poll Code  T208000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day)	Once/year  Frequency Once/year	Sample Type Comp-Time 04 Hrs	End Date 06/30/2012
Volatile Organics  Oo2 Project Code:	T996000  IM = I Poil Code  T208000 T213000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand	Once/year  Frequency Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs	End Date 06/30/2012 06/30/2012
Volatile Organics  Oo2 Project Code:	T996000  IM = I Poll Code  T208000 T213000 T234000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total)	Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs  Grab	End Date  06/30/2012  06/30/2012  06/30/2012
Volatile Organics  002 Project Code:	T996000  IM = I Poll Code  T208000 T213000 T234000 T237000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH	Once/year Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs  Grab  Grab	End Date  06/30/2012  06/30/2012  06/30/2012  06/30/2012
Volatile Organics  002 Project Code:	T996000  IM = I Poll Code  T208000 T213000 T234000 T237000 T247000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature	Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs  Comp-Time 04 Hrs  Grab  Grab  Grab	End Date  06/30/2012  06/30/2012  06/30/2012  06/30/2012  06/30/2012
Volatile Organics  Oo2 Project Code:	T996000  IM = I Poll Code  T208000 T213000 T234000 T237000 T247000 T256000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids	Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Grab Comp-Time 04 Hrs	End Date  06/30/2012 06/30/2012 06/30/2012 06/30/2012 06/30/2012 06/30/2012
Volatile Organics  Oo2 Project Code:	T996000  IM = I Poll Code  T208000 T213000 T234000 T237000 T247000 T256000 T257000	PD - Company - MSD Pollutant Description  Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand Oil and Grease (Total) pH Temperature Total Suspended Solids Total Phenols	Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year Once/year	Sample Type  Comp-Time 04 Hrs Comp-Time 04 Hrs Grab Grab Grab Comp-Time 04 Hrs Grab	End Date  06/30/2012 06/30/2012 06/30/2012 06/30/2012 06/30/2012 06/30/2012 06/30/2012

1 of 1

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

#### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

**IDENTIFYING INFORMATION** PART I:

Company Name:

VA Medical Center

Permit No:

1114046000

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

| |(JAN-MAR)

| |(APR-JUNE)

|X | (JULY-SEPT)

| |(OCT-DEC)

Samples Collected By:

Larry Oliver, PDC Laboratories, Inc. - St.Louis

Analyses Performed By: PDC Laboratories, Inc. - St.Louis

#### ANALYTICAL RESULTS OF SELF MONITORING

		,						
MSD SAMPLE POINT REFERENCE NUMBER		001		,	<u> </u>			
DATES ON WHICH SAMPLES WERE COLLEC		08/03-04/2011		·	<u> </u>			
TIMES AT WHICH SAMPLES WHERE COLLEC	OTED>		12:30-12:30	<u> </u>		L		
PARAMETER	LIMIT		CORD SAMPLE TYP G=Grab, C=composi					UNITS
FLOW	,	E	84,000				·	GPD
Biochemical Oxygen Demand		С	8					mg/L
Chemical Oxygen Demand		С	35		,			mg/L
Oil & Grease	200	G	<5.0					mg/L
рН	5.5 - 11.5	G	8.8					Units
Temperature	60	G	29.9					°C ·
Total Suspended Solids		С	12					mg/L
Silver (total)	0.5	С	<0.0020			<u></u>		mg/L
Total Toxic Organics (TTO)	5.5		MANAGAMANA (M. 1924)			<u> </u>		mg/L
·		· 			or the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	<u></u>		mg/L
			·		·			mg/L
						_		mg/L
							<u>.</u>	mg/L
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u>.</u>		mg/L_
·						Ŀ		
						<u> </u>		
						L		
·					REC	EI	VED	
					TOO	- -	2011	

You must complete and sign the certification statements on the reverse ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

IDENTIFYING INFORMATION PART I:

Company Name:

VA Medical Center

Permit No:

1114046000

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

| | (JAN-MAR)

| |(APR-JUNE)

|X |(JULY-SEPT)

| |(OCT-DEC)

Samples Collected By:

Larry Oliver, PDC Laboratories, Inc. - St.Louis

Analyses Performed By: PDC Laboratories, Inc. - St. Louis

ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUMBER			002	T					1
DATES ON WHICH SAMPLES WERE COLLECTED>			8/03-04/2011						
TIMES AT WHICH SAMPLES WHERE COLLECTED>			12:15-12:15	$oldsymbol{\mathbb{L}}$		<u> </u>			
PARAMETER	LIMIT			1	3:00-13:00		•		UNITS
FLOW		E	25,000						GPD
Biochemical Oxygen Demand		С	24					-MAN - 1555 MAN - 2-MANAGE - 1875	mg/L
Chemical Oxygen Demand		С	-71						mg/L
Oil & Grease	200	G	7.4					anna anna anna da ma	mg/L
рН	5.5 - 11.5	G	7.9	_					Units
Temperature	60	G	32.4	_					°C
Total Suspended Solids	4	С	52	<u> </u>					mg/L
Silver (total)	0.5	С	<0.0020	1					mg/L
Total Toxic Organics (TTO)	5.5			1					mg/L
				_					mg/L
						<u> </u>			mg/L
						_			mg/L
						<u> </u>			mg/L
·									mg/L
					EIVED	_			
	data in the second seco	<u> </u>	0(#=	3 2011	L			
·									
			DEPT. O	HEN HEN	VIRONMENTAL LIANCE	-			

You must complete and sign the certification statements on the reverse side.

RECEIVED

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

OCT 1 3 2011

PART III:

SPECIAL CERTIFICATION STATEMENTS

DEPT. OF ENVIRONMENTAL
Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following COMPLIANCEW
your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR
FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
В.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C .	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification: I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to make the following certification:
	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
E	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following certification: I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification: Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	IV: GENERAL CERTIFICATION STATEMENTS
	ne box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
A .	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:
	In lieu of monitoring for TTO at sample point(s), I certify that to the best of my knowledge and belief, no toxic organics have been used at this premise or discharged into the wastewaters since filing of the last discharge monitoring report.
В.	DISCHARGE MONITORING REPORT CERTIFICATION
or perso of my k	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person who manage the system, or those persons directly responsible for gathering the information; the information submitted is, to the best nowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, get the possibility of fine and imprisonment for knowing violations.
Print or t	type name of signing official: Edward L. Beat
Title:	Superusor Telephone: 314-289-6450
Signatur	e: Col Willy Date: 10-13-11

RECEIVED

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

OCT 1 3 2011

SPECIAL CERTIFICATION STATEMENTS PART III:

DEPT. OF ENVIRONMENTAL

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following. (These review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

A.	if your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
В.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit,
	you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification:
	I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to make the following certification:
,	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
Ε.	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total
	Cyanide at the Pharmaceutical sample point(s) subject to the following certification: I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical
	manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electronic
	Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification:
	Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for
	total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	IV: GENERAL CERTIFICATION STATEMENTS
Initial th	e box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
Α.	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:
	In lieu of monitoring for TTO at sample point(s), I certify that to the best of my knowledge and
·	belief, no toxic organics have been used at this premise or discharged into the wastewaters since filing of the last discharge monitoring report.
8.	DISCHARGE MONITORING REPORT CERTIFICATION
l cortific	
system	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person
or perso	ons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best
includin	chowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, g the possibility of fine and imprisonment for knowing violations.
Print or	type name of signing official: EQUIARD L Beaty
Title:	Supervisor Telephone: 314-289-6450
Signatui	re: Ef Mely Date: 10-13-11

07/2003



3278 N. Highway 67 - Florissant, MO 63033 (314) 432-0550 - (800) 333-FAST (3278) - FAX (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty Date Received: 08/04/11 16:46

Report Date: 08/17/11 Customer #: 276817 PO#: 657SD7014

Sample No: 1080684-01

Sample Description: North Grand MSD 001 Comp.

Collect Date: 08/04/11 12:30

Matrix: Water

Res	ult	Qual	Analysis Date	Analyst	Method
		, , , , , , , , , , , , , , , , , , , ,			
8.2	mg/L	•	08/05/11 11:49	DWM	SM 5210B 18Ed
35	mg/L		08/08/11 14:00	ACV -	SM 5220D 18Ed
12	mg/L		08/05/11 17:00	ACV	SM 2540D 18Ed
< 0.0020	mg/L		08/08/11 14:41	WPS	EPA 200.7 R4.4
	8.2 35 12	Result 8.2 mg/L 35 mg/L 12 mg/L < 0.0020 mg/L	8.2 mg/L 35 mg/L 12 mg/L	8.2 mg/L 08/05/11 11:49 35 mg/L 08/08/11 14:00 12 mg/L 08/05/11 17:00	8.2 mg/L 08/05/11 11:49 DWM 35 mg/L 08/08/11 14:00 ACV 12 mg/L 08/05/11 17:00 ACV

Sample No: 1080684-02

Sample Description: North Grand MSD 001 Grab

Collect Date: 08/04/11 12:30

Matrix: Water

Parameters		Result	Qual	Analysis Date	Analyst	Method
Field - STL			оподпорадавая			
рН		8.79 pH Units		08/04/11 12:30	LLO	SM
Temperature, Field Measured		29.9 °C		08/04/11 12:30	LLO	SM
General Chemistry - STL	,					•
Oil & Grease - total	•	< 5.0 mg/L		08/10/11 07:45	MEP	EPA 1664A

RECEIVED

OCT 1 3 2011

DEPT. OF ENVIRONMENTAL COMPLIANCE

1080684

Page 1 of 5



3278 N. Highway 67 - Florissant, MO 63033 (314) 432-0550 - (800) 333-FAST (3278) - FAX (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 08/04/11 16:46 Report Date: 08/17/11 Customer #: 276817 PO#: 657SD7014

Notes

This report shall not be reproduced, except in full, without the written approval of the laboratory.

PDC Laboratories participates in the following accreditation/certification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

PDC Laboratories - Peoria, IL

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No.

Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553 Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240) Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335) Hazardous/Solid Waste Certifications; Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335) UST Certification; Iowa (240)

SPM PDC Laboratories - Springfield, MO

EPA DMR-QA Program

PDC Laboratories - St. Louis, MO

NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS EPA Lab No. E-10389

Bonbaun 9. Pando fo

Certified by: Barb Pandolfo, Project Manager

RECEIVED

OCT 1 3 2011

DEPT. OF ENVIRONMENTAL COMPLIANCE

1080684

Page 2 of 5

PDC Laboratories, Inc. - St. Louis 3278 N. Highway 67
Florissant, MO 63033
www.pdctab.com www.environmetrics.net

CHAIN OF CUSTODY RECORD

3 2011



PDC Laboratories, Inc. – St. I 3278 N. Highway 67 Florissant, MO 63033 www.pdclab.com www.environmetrics.net	ALL SHA		Phone	e (314 (314) <i>FBE CC</i>) 43) 43) MPL	2-0 2-49	550 or 977 or ED BY (21-44 21-44	94 E PI				1 3 2011	N. I.O. ONIACON	COMPLIANCE	(pcc)
VA Medical center (a.	PROJECT NI	IMBER	4	P.O. NUM	BER	•	MEANS S	HIPPED	•	ANA	LYSIS A			2	ü	5	(FOR LAB USE ONLY)
Jefferson Banacks Division 138 Jefferson Banacks	PHONE NUM 314-487			FAX NUM	BER		EMAIL AD	DRESS				Ends		0	חוום	الم	LOGIN # LOGGED BY. LAB PROJ #
Stell outs (Nio) 631/25 Citter Engineering Services							DW-DRIN	TEWATER KING WATER JND WATER UDGE		٥	D, TSS	Je)	& Grease				TEMPLATE: PROJ. MGR.:
SAMPLE DESCRIPTION (AS YOU WANT ON REPORT)	DAT COLLE	TE CTED	COLLEC	TEO	∹,G	Ċ;	MATRIX	PRESER	VATIVE	COD	BOD,	Silver	ō		iki. Ganti		REMARKS
North Grand MSD 001	8/3-4	4/11	12:30-	12:30		X	WW	H2SO	∯+ Ta	X		, ,					
(Quarterly)						X	WW	Cool 4	C	**************************************	X				a .	1.	pH = 8,79
	1 4	<i>/</i>	U U	4.		Χ	WW	HNO3				X			 		Temp = 29,9%
:	8/4	/11	12:3	0	×		WW	H2SO4	4, 4C				X				
												1 2 2					
						,			·								
														3			
								1									3.5 hrs Field Tech
													7				1 days pump
							1984 (1886 - 1984 - 1984 - 1984 - 1984 - 1984 - 1984 - 1984 - 1984 - 1984 - 1984 - 1984 - 1984 - 1984 - 1984 -	ı							•		
		-2 Business C	Days [] Same Day		that	the i	ab notify y 0.1-6.0°C	ou, before	proceed laling the	ing wi is are	th ana	ılysis	, if the	e san	nple te	empe	aling this area, you request erature is outside of the with analytical testing
RELINCONSMED BY: (Signal by Mn 8/	Date //	72/00	Heathe	Carle	att	Dat	14/11	6100	ATAMANA			Q	MME	NTS: (I	OR U	VB USI	EONLY)
REUNQUISHED BY: (Signature)	Date:	Time	RECEIVED BY:			Dái	. / .	Time	Sample	Temper	ature up	on rec	elpt.		<u></u>	7,1	degraes C
RELINQUISHED BY; (Signature)	Date	Jjule:	RECEIVED BY:	,		Oal	•	Time	Chill prov Sample(: Proper b	s) recei	ved on k	CAS.		tion	111	or N	
RELINQUISHED BY: (Signature)	Date	Time	RECEIVED BY:			Dat	e	Time	Bottles fi Samples Date and	lied with receive	adequi	ate vol	ume Ime(s)	• *	Y	or, N	(Excludes typical field parameters)



3278 N. Highway 67 - Florissant, MO 63033 (314) 432-6550 - (800) 333-FAST (3278) - FAX (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty Date Received: 08/04/11 16:51

Report Date: 08/17/11 Customer #: 276817

Sample No: 1080688-01

Sample Description: North Grand MSD 002 Comp.

Collect Date: 08/04/11 13:00

Matrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					
BOD	24 mg/L		08/05/11 11:49	DWM	SM 5210B 18Ed
COD	. 71 mg/L		08/08/11 14:00	ACV	SM 5220D 18Ed
Solids - total suspended solids (TSS)	52 mg/L		08/05/11 17:00	ACV	SM 2540D 18Ed
<u> Total Metals - STL</u>	•				
Silver	< 0.0020 mg/L	•	08/08/11 14:45	WPS	EPA 200.7 R4.4

Sample No: 1080688-02

Sample Description: North Grand MSD 002 Grab

Collect Date: 08/04/11 13:00

Matrix: Water

Parameters	Result Qual	Analysis Date	Analyst	Method
Field - STL				
ρΗ	7.88 pH Units	08/04/11 13:00	LLO	SM
Temperature, Field Measured	32.4 °C	08/04/11 13:00	LLO	SM
General Chemistry - STL		,		
Oil & Grease - total	7.4 mg/L	08/10/11 07:45	MEP	EPA 1664A

RECEIVED

OCT 1 3 2011

DEPT. OF ENVIRONMENTAL COMPLIANCE

1080688

Page 1 of 5



3278 N. Highway 67 - Florissant, MO 63033 (314) 432-0550 - (800) 333-FAST (3278) - FAX (314) 432-4977



VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 08/04/11 16:51 Report Date: 08/17/11

Customer #: 276817

Notes

This report shall not be reproduced, except in full, without the written approval of the laboratory.

PDC Laboratories participates in the following accreditation/certification and proficiency programs at the following locations. Endorsement by Federal or State Governments or their agencies is not implied.

PIA PDC Laboratories - Peoria, IL

NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230

Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553 Drinking Water Certifications: Kansas (E-10338); Missouri (870); Wisconsin (998284430); Indiana (C-IL-040); Iowa (240) Wastewater Certifications: Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335) Hazardous/Solid Waste Certifications; Arkansas (88-0677); Wisconsin (998284430); Iowa (240); Kansas (E-10335) UST Certification; Iowa (240)

SPM PDC Laboratories - Springfield, MO

EPA DMR-QA Program

PDC Laboratories - St. Louis, MO

NELAC Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS EPA Lab No. E-10389

Certified by: Barb Pandolfo, Project Manager

RECEIVED

OCT 1 3 2011

DEPT. OF ENVIRONMENTAL COMPLIANCE

1080688

Page 2 of 5

PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

CHAIN OF CUSTODY RECORD

Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494



ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)
PROJECT NUMBER | MEANS SHIPPED | ANALYSIS RE V-A.Medical Camer ANALYSIS REQUESTED (FOR LAB USE ONLY) leftersomBarracks@jyfsjon 38 JeffersomBafracks HONE NUMBER FAX NUMBER EMAIL ADDRESS 314-487-0400 ItaLowist Works 425 Gre LAB PROJ# MATRIX TYPES: WW-WASTEWATER DW-ORINKING WATER Grease TEMPLATE: TSS Gnief Englineering Service GW-GROUND WATER PROJ MGR: WWSL-SLUDGE SAMPLE DESCRIPTION
AS YOU WANT ON REPORT BOD, Silver COD **ಿ**ರ ō MATRIX PRESERVATIVE REMARKS North Grand MSD 002 13:00-13:00 H2SO4,4C X (Quarterly) WW X Cool 4C X WW X HNO3 X Temp = 13100 WW H2SO4, 4C X 置 3.5 hrs Field Tech 1 days pump TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APROVAL AND SURCHARGE) ☐ Normal (6-10 Bus Days) ☐ Rush (5 Bus Days) ☐ Fastraka (3 Bus Days) ☐ 1-2 Business Days ☐ Same Day The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C... By not initialing this area, you allow the lab to proceed with analytical testing Results by: D. E.Mail | D. FAX | D. Phone Call regardless of the sample temperature. COMMENTS: (FOR LAB USE ONLY) RELINQUISHED BY (Signature) Sample Temperature upon receipt Chill process started prior to receipt RELINQUISHED BY: (Signature) Sample(s) received on ice Proper bottles received in good condition Bottles filled with adequate volume Samples received within hold lime(s). Date and Time taken from sample bottle. Date RECEIVED BY: Date

OPOLITAN ST. LOUIS SEWER DIS INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART	I: IDENTIFYING INFORMATION	
Comp	oany Name: <u>John Cochran VA Medical Cen</u>	ter
	lit No:11140460-00	
	ise Address: 915 North Grand Bl	vd. St. Louis, MO. 63106
		PR-JUNE) V(JULY-SEPT) (OCT-DEC)
	II: RECORD OF DISPOSAL OF RADIOACT	
1111/1	TI. ALCOND OF DISPOSAL OF RADIOACT	IVE MATERIALS TO THE SEWER SYSTEM
	RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
٠.		
	HAU	1/2
,		
. [TOTAL ACTIVITY DISCHARGED:	RECEIVED
PART	III: CERTIFICATION STATEMENTS	OCT 1 2 2011
Place	your initials in the box under item	OCT 1 3 2011
Every	one must complete the information und	ler items A & B and signDEFT_OF ENVIRONMENTAL COMPLIANCE
A. '	CERTIFICATION OF COMPLIANCE WITH STATE	FE AND FEDERAL REGULATIONS
OR	I certify that to the best of my knowledge & and 19 CSR Part 20-10.090 governing disposal	belief, all requirements of 10 CFR Part 20.2003
P	regulated by the Nuclear Regulatory Commission tively, have been met for the period covered	on and the Missouri Department of Upalth respons
	RADIOACTIVE MATERIALS DISCHARGE REPOR	
	fy under penalty of Law that this document ar	·
directi	on or supervision in accordance with a system y gather and evaluate the information submitted	M designed to assure that qualified personnel
the inf	who manage the system, or those persons direction submitted is, to the best of my known	ectly responsible for gathering the information, vledge and belief, true, accurate, and complete.
ı am aw	are that there are significant penalties for lity of fine and imprisonment for knowing vic	submitting false information, including the
	type name of signing official:	
Title:		
Signat		Telephone: 314-289-6348

radrpt.doc 2/00

MSD

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I: **IDENTIFYING INFORMATION**

Company Name:

VA Medical Center

Permit No:

1114046000

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

| |(JAN-MAR)

| X | (APR-JUNE)

| |(JULY-SEPT)

| |(OCT-DEC)

Samples Collected By:

Larry Oliver, PDC Laboratories, Inc. - St.Louis

Analyses Performed By: PDC Laboratories, Inc. - St.Louis

ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUME	BER		001	7					
DATES ON WHICH SAMPLES WERE COL	LECTED>	1	05/09-10/2011	╬			-		
TIMES AT WHICH SAMPLES WHERE CO	LECTED>	1	12:00-12:00	╢		······································	$- \parallel$		
PARAMETER	LIMIT	RE	CORD SAMPLE TY G=Grab, C=compo	PES site,	(G,C,N M≈mea	OR E)	AND F ow, E=	RESULTS BELOV	UNITS
FLOW		E	35,700		T				
Biochemical Oxygen Demand		C	17	╫╌	+-				GPD
Chemical Oxygen Demand		C	52	╫	┼				mg/L
Oil & Grease	200	G	<5.0	╫╌	+-		- -		mg/L_
рН .	5.5 - 11.5	G	8.8	╫	+		- -		mg/L_
Temperature	60	G	25.9	╫╌	+-		_ _		Units
Total Suspended Solids		C		╫┈	+-				°C
Silver (total)	0.5	С	8	╂─	\vdash		\dashv		mg/L
Total Toxic Organics (TTO)	5.5	-	<0.0020	╂─	 		- -		mg/L
	3.5			╟	 		- -		mg/L
				╟			_ _		mg/L
			-	╟	<u> </u>		-⊪_		mg/L
		_		 		7	_ _		mg/L
		\dashv		<u> </u>			_ _		mg/L
				 	<u> </u>				mg/L
		\dashv					_ _		
		$-\!$				·			
		-+	•					,	
						·			
		$-\downarrow$							- 7

You must complete and sign the certification statements on the reverse side.

RECEIVED

AUG 0 4 2011

DIVISION OF ENVIRONMENTAL COMPLIANCE

980:80 II OE IUL

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I: **IDENTIFYING INFORMATION**

Company Name:

VA Medical Center

Permit No:

1114046000

Premise Address:

915 N. Grand Blvd., St. Louis, MO 63106

Monitoring Period:

| |(JAN-MAR)

[X](APR-JUNE)

| |(JULY-SEPT)

| |(OCT-DEC)

Samples Collected By:

Larry Oliver, PDC Laboratories, Inc. - St.Louis

Analyses Performed By: PDC Laboratories, Inc. - St.Louis

ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUMB	ER	1	002	7		•			
DATES ON WHICH SAMPLES WERE COL	ECTED>	1-	05/09-10/2011	╢			- -		
TIMES AT WHICH SAMPLES WHERE COL	LECTED	7	12:15-12:15	╫			╬		-
PARAMETER .	LIMIT	RE	CORD SAMPLE TY G=Grab, C=compo	PES site,	(G,C,M M=meas	OR E) At	ND F v, E=	RESULTS BELOW	UNITS
FLOW		E	11,900-		1		1	1	_
Biochemical Oxygen Demand		C	56	╫	+		╢		GPD
Chemical Oxygen Demand		С	130	╫	_		╬		mg/L
Oil & Grease	200	G	14	╫╌			╢		mg/L
pН	5.5 - 11.5	G	7.7	╫	 		╫		mg/L
Temperature	60	G	25.6	╫╌	 		╫		Units
Total Suspended Solids		С	42	╫┈	 		╫╴		°C
Silver (total)	0.5	С	<0.0020	╫	-		╫		mg/L
Total Toxic Organics (TTO)	5.5		10.0020	╫		·	╢┈		mg/L
				╢			╫		mg/L
				╢			╢		mg/L
				╫╌	 		╟		mg/L
				╟─	 		╟		mg/L
				╟	<u> </u>		╂		mg/L
-				╟	ļ		╟		mg/L
		-					 		
							 		
	1	-		-			_		
			-						
	+								

You must complete and sign the certification statements on the reverse side.

RECEIVED

AUG 0 4 2011

DIVISION OF ENVIRONMENTAL COMPLIANCE

90:00 II 08:06p

TROPOLITAN ST. LOUIS SEWER DI INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name:John Cochran VA Medical Ce	nter
Permit No:	
Premise Address: 915 North Grand B.	lvd. St. Louis, MO. 63106
Reporting Period: \(\sigma(JAN-MAR)\)	PR-JUNE) D(JULY-SEPT) D(OCT
PART II: RECORD OF DISPOSAL OF RADYOACS	FIVE MATERIALS TO THE SEWER SYSTEM
RADIONUCLIDE	
mylall	ACTIVITY DISCHARGED (millicuries)
proffee	9
TOTAL ACTIVITY DISCHARGED:	<i>X</i>
	<i>y</i>
PART III: CERTIFICATION STATEMENTS	· · · · · · · · · · · · · · · · · · ·
Place your initials in the box under item Everyone must complete the information und	A.
A. CERTIFICATION OF COMPLIANCE WITH STATE	Thems A & B and sign this report.
ANI I Certify that to the boot of much	
and 19 CSR Fart 20-10.090 governing disposal regulated by the Nuclear Regulatory Commission tively, have been met for the period covered	belief, all requirements of 10 CFR Part 20.2003 by release into sanitary sewage for material on and the Missouri Department of Health, respec- by this report.
B. PADIOACTIVE MATERIALS DISCHARGE REPOR	
I certify under penalty of Law that this document an direction or supervision in accordance with a system properly gather and evaluate the information submitt persons who manage the system, or those persons directly information submitted is, to the best of my know I am aware that there are significant penalties for possibility of fine and imprisonment for knowing vio	d all attachments were prepared under my designed-to assure that qualified personnel ed. Based on my inquiry of the person or ctly responsible for gathering the information, ledge and belief, true, accurate and complete
Print/type name of signing officer	Larry Chandler, MSRHS
ritle:Radiation_Safety_Officer_	Telephone: 314-289-6348
Signature: Aug Gando	RECEIVED 10/29/1/
	AUG 0 4 2011 rhdrpt.doc 2/00

DIVISION OF ENVIRONMENTAL COMPLIANCE

920:80 11 08 Lut

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Blease review nour permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

MONE

PART IV: GENERAL CERTIFICATION STATEMENTS

Б	Ĺ	DISCHARGE MONITORING REPORT CERTIFICATION
		All permittees must sign and complete the information below:
	i	I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with
	:	a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my good of the
	,	person or persons who manage the system, or those persons directly responsible for gathering the information, the information stiern their
	•	is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for subjecting false
	:	information, including the possibility of fine and imprisonment for knowing violations.
	:	E/I/P
	:	Print or type name of signing official: Edward L. Beaty
		Title: <u>Sugar</u> Super Teleprione: 314-289-6450
	!	Title: 2Ngn Super Telephone: 319-281-6930
		SALINI. F
	1	Signature: Date: 0-4-17
	<u>!</u>	
		The state of the s

RECEIVED

AUG 0 4 2011

DIVISION OF ENVIRONMENTAL COMPLIANCE

9 · q

Jul 30 11 09:06p



3278 N. Highway 67 + Florisgan, MO 63033 (314) 432-0550 - (806) 333-FAST (3278) - FAX (314) 432-4977

VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 05/10/11 15:45 Report Date: 05/20/11

Customer #: 276817 PO#: 657SD7014

Sample No: 1051079-01

Sample Description: North Grand MSD 001 Comp.

Collect Date: 05/10/11 12:00

Matrix: Water

Parameters	Result	Qual	· Analysis Date	Analyst	Method
General Chemistry - STL BOD COD Solids - Iotal suspended solids (TSS) Total Metals - STL	17 mg/L 52 mg/L 8.0 mg/L		05/11/11 12:21 05/12/11 10:00 05/11/11 17:00	DWM S	SM 5210B 18Ed SM 5220D 18Ed SM 2540D 18Ed
Silver	< 0.0020 mg/L		05/13/11 10:01	WPS [EPA 200.7 R4.4

Sample No: 1051079-02

Sample Description: North Grand MSD 001 Grab

Collect Date: 05/10/11 12:00

Matrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Method	_
Field - STL				riidiyat	Metuod	
pH Temperature, Field Measured General Chemistry - STL	8.78 pH Units 25.9 °C		05/10/11 12:00 05/10/11 12:00	LLO.	SM SM	
Oil & Grease - total	< 5.0 mg/L		05/12/11 08:30 .	MEPB1	EPA 1664A	

RECEIVED

1051079

AUG 0 4 2011

Page 1 of 5

DIVISION OF ENVIRONMENTAL COMPLIANCE

470:80 II OE IUC



3278 N. Highway 67 — Florissant, MO 63033 (314) 432-0550 - (800) 333-FANT (3278) - FAX (314) 432-4977

VA Medical Center - St Louis 915 N Grand St Louis, MO 63106 Attn: Ed Beaty

Date Received: 05/10/11 17:08

Report Date: 05/23/11 Customer #: 276817

Sample No: 1051067-01

Sample Description: North Grand MSD 002 Comp.

Collect Date: 05/10/11 12:15

Matrix: Water

Parameters	Result	Qual	Analysis Date	Analyst	Method
General Chemistry - STL					Method
BOD	56 mg/L		05144144.00.0		
COD	130 mg/L		05/11/11 06:34	DWM	SM 5210B 18Ed
Solids - total suspended solids (TSS)	•		05/12/11 10:00	ACV	SM 5220D 18Ed
Total Metals - STL	42 mg/L		05/11/11 17:00	ACV	SM 2540D 18Ed
Silver	< 0.0020 mg/L		05/13/11 09:58		
			03/13/11 09:58	WPS	EPA 200.7 R4.4

Sample No: 1051067-02

Sample Description: North Grand MSD 002 Grab

Collect Date: 05/10/11 12:15

Matrix: Water

Parameters	Result	Qual	A	-		
Field - STL		- Quai	Analysis Date	Analyst	Method	
pH Temperature, Field Measured General Chemistry - STL	7.68 pH Units 25.9 °C		05/10/11 12:15 05/10/11 12:15	ITO ITO	SM SM	
Oil & Grease - total	14 mg/L		05/12/11 08.30	MEPB1	EPA 1664A	

RECEIVED

1051067

AUG 0 4 2011

Page 1 of 5

DIVISION OF ENVIRONMENTAL COMPLIANCE

920:80 II 08 Iut

PDC Laboratories, Inc. - St. Louis 3278 N. Highway 67
Florissant, MO 63033
www.pdcteb.com www.environmetrics.net

CHAIN OF CUSTODY RECORD

Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494

(pdc)	

WARDLINE GIRTARE AND A STATE OF THE SECOND	PRC	JJECT NUMBER	D AREAS MUS	I P.O. NU	JMP! UPER	LETI	ED BY	SLIENT (PLEA	ISE F	PRINT	J)			1	
VétVedestreder				1	æ _{cr} ,	,	MEANS	AIPPEC 03999IA	AN	NALYSIS F	REO	JESTEF	<u>, </u>		(FOR LABUSE ONLY)
والأوارة والمتعاربة والمتعاربة	31	ONE NUMBER 4-487-0400	-	FAX NUM	ABER .		EMAIL AD	COLEGA					٠		
		#=407±U40U)	1		1		JRESS	T	T	T			THO	OGH 1051079
						1	į.					1	1 1 -	. 1 - 1 !	OGCED BY: HG
Straige die 6 a e							MATRIX	TYDES.	4		- '	1. 1	1	1 1'	AB PROJE
						100120-0214	DW-DBININ	STEWATER		1.	1 '	Se	,	1 11	-
C. D. Salgado y rigis a vir	ASSET OF						GYY-GROU	UND WATED		155	1 '	Grease	,		EMPLATE:
SAMPLE DESCRIPTION AS YOU WANT ON REPORT	THE RESERVE					587 F(4)	WWSL-SLU NAS-SOLID	.UDGE	1,	15		Ö	.	PRK	ROJ. MGR:
		DATE COLLECTED	TIME COLLEC				. MATRIX	A concession	9	BOD,	Silver	20	.]		*
North Grand MSD 001	15/	9-10/11	Minn		Leconomical	7		38		m	1 00	₹ 5	'	1.	REMARKS
(Quarterly)	- K.	1 10/ "	1 12:00-16	1:00		X	WW	H2SO4,4C	X	1	1	1		1-1-	i white star
Quareny)		1	1 (. 1	x \	WW	Cool 4C	+		+				
	T	ch	+ 1						1 1	X	1	. 1		рН	(= Q 70
					1	X V	WW	HN03		,	X	+		- + To	0110
	15/	10/11	11276	00	X	1	ww	H2SO4, 4C	+		-	4		161	mp=25,9°C
		-	+10-	-+	+	+		112007, 70	1			X	7-1		
					L		1	,	1	+	+	+	+++	+-	
			.]			1	-	, — —	-	-	+				
	1			-+	+	+			1			- 1			
			+		1			. [7	+	+	++	+	
					T	1			+	-	+		44	1,	
					+	+			1						-
		***************************************	1				- 1	-		7	1.	+	++	3.5	Language at 3 december
		· —.	1		7	1			+		+	4	1	0,01	hrs Fjeld Tech
	1	***************************************			+	+-			·			1	F 1-	1 12	-
RNAROUND TIME (RUSH TAT IS SUBJECT TO POO Normal (8-10 Bus Days) [] Rush (5 Bus Days) [] Fores	C LABS APROVA	AND SURCHAF	6061			\cdot	.			1	+	+	+	1	ys.pump
, , , , , , , , , , , , , , , , , , ,	ok _{the} (3 Bus Days)	/ CH-2 Business /	Days [] Same Day	Tr	ne sa	mple	temperat	ure will be measu	- lun			بيا	<u></u>		is area, you request
Resid	nts by: [] E-Adail	□ FAX □ Pr		na na	∍line nde(lab nr of 0.1.	olify you.	ture will be measure , before proceeding y not initialing this a	g with/	analys	#Dr.a SIS, If	itme⊮ ∕thes	āb. By in	itialing thi	s area, you request
CO DI IDIONISTA DI	Pare			rer	gardie	ess of	the same	, before proceeding y not initialing this a ple temperature.	area, y	/ou a⊪i	ow if	ne lab	to procer	od with an	S outside of the
MOUIS-IEDEY: (Signature)	SX/0/11	1 5.85	RECEIVED BY	1	FID	S/10/	Timy	o. comperation.		-	-	-		1	tythodi icsurig
**	Oate	This is a second	ECENED BY	COUNTY	چلہ	·/10/	1115	1:45		C	JOHAN	ENTS:	FOR LAB US	SE ONLY)	
WQUISHED BY: (Signature)	Date				Lip.	ite /	Time	,							
•	Date	Time	RECEIVED BY:		Date	sto	Fime	Sample Temp	peralus		sceint-		-5,	2 degrees C	ē 1
MARCHEN DV. 18	- }	' '	•		,		1 14176	1 (ii) process	TO DESCRIPTION OF THE PERSON O			•	2		
NOUISHED BY: (Signature)	Date		RECEIVED BY	****	Date		I ATTAL	Sample(s) rec Proper bottles Bottles filled w	and ago Ou	on tos			Mari	N I	s (ypical field parameters)

PDC Laboratories, Inc. – St. Louis 3278 N. Highway 67 Florissant, MO 63033

CHAIN OF CUSTODY RECORD

Phone (314) 432-0550 or (314) 921-4488 Fax (314) 432-4977 or (314) 921-4494

|--|

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)
PROJECT NUMBER | MEANS SHIPPED | ANALYSIS RE VASME TRAITE THE Veffere on Barracks, blydsjor 1908 Janes on Barracks PHONE MIMAER FAX MIMBER 314-487-0400 EMAIL ADDRESS aguje Megapaiza e MATRIX TYPES: YW WASTEWATER DW DRINKING WATER LAB PROJ# Grease Chafaingneeniaraenae 758 TEMPLATE: GW-GROUND WATER WWSL-SLUDGE NAS-SOLID SAMPLE DESCRIPTION E. AS YOU WANT ON REPORT PROJ. MGR BOD, Silver Oil & G COD KIA PIX PRESERVATIVE North Grand MSD 002 REMARKS WW X H2SQ4.4C X (Quarterly) WW X Cool.4C X X WW HN03 X Temp = X WW H2SO4, 4C X 3.5 hrs Field Tech TURNAROUND TIME (RUSH TAT IS SUBJECT TO POC LABS APROVAL AND SURCHARGE) 1 days pump ☐ Normal (9-10 Bus Days) ☐ Rush (5 Bus Days) ☐ Fastrak nx (3 Bus Days) ☐ 1-2 Business Days ☐ Same Day The sample temperature will be measured upon receipt at the lab. By initialing this area, you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the Results by: [] E-Mail [] FAX [] Phone Call range of 0.1-6.0°C. By not initialing this area, you allow the lab to proceed with analytical testing COMMENTS-(FOR LAB USE ONLY) Date RELINQUISHED BY: (Signature) Cate Sample Terrograture upon receipt RECEIVED BY: Criti process started prior to receipt Sample(s) received on ice Date RELINCUISHED BY (Signaure) RECEIVED BY Proper bottles received in good condition Y Or N Bothes filled with adequate volume Samples received within haid time(s) Date and Time taken from sample b (Excludes typical field parameters)